

10629227

(FILE 'HOME' ENTERED AT 15:10:45 ON 11 MAY 2004)

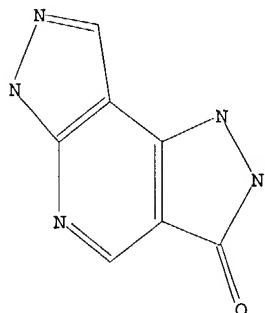
FILE 'REGISTRY' ENTERED AT 15:11:01 ON 11 MAY 2004

L1 STRUCTURE UPLOADED  
L2 12 S L1  
L3 214 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:12:10 ON 11 MAY 2004

L4 10 S L3

=> d 11  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

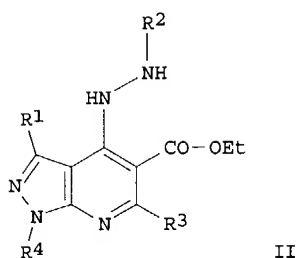
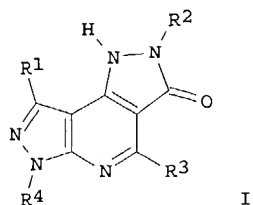
=> d 1-10 bib abs hitstr

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:182530 CAPLUS  
DN 140:235704  
TI Preparation of dihydrodipyrzolo[pyridinones as B7-1/CD28 binding  
inhibitors for the immunotherapeutic treatment of organ transplant  
rejection  
IN Green, Neal Jeffrey; Tam, Steve Yikkai; Xiang, Jason Shaoyun; Davies,  
Audrey Molina; Chen, Lihren; Stack, Gary Paul  
PA Wyeth, John, and Brother Ltd., USA  
SO U.S. Pat. Appl. Publ., 18 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004044024	A1	20040304	US 2003-629227	20030728
PRAI	US 2002-399161P	P	20020729		
OS	MARPAT 140:235704				
GI					

*Handwritten signature: J. S. 07/28/04*

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AB Title compds. I [R1, R4 = H, (un)substituted alkyl, (un)substituted Ph, e.g., halo, OH, haloalkyl, etc.; R2 = H, (un)substituted alkyl, (un)substituted Ph, e.g., halo, NO2, CN, etc.; R3 = (un)substituted Ph, cycloheteroalkyl, heteroaryl, etc.], and their pharmaceutically acceptable salts were prepared. For example, intramol. cyclization of compound II [R1 = H; R2 = 3-FC6H4; R3 = 5-bromopyrid-3-yl; R4 = CH3], e.g., prepared from Et 5-amino-1-methyl-4-pyrazolecarboxylate in 3-steps, afforded compound I [R1 = H; R2 = 3-FC6H4; R3 = 5-bromopyrid-3-yl; R4 = CH3] in 93% yield. In B7-1/CD28 binding inhibition assays, 75-examples of compds. I exhibited IC50 values ranging from 4-3000 nM, e.g., the IC50 value of compound I [R1 = H; R2 = 3-FC6H4; R3 = 5-bromopyrid-3-yl; R4 = CH3] was 20 nM. Of note, dihydrodipyrzolo[3,4-b:3',4'-d]pyridinone I is useful for the immunotherapeutic treatment of transplant rejection and autoimmune diseases.

IT 443146-92-7P 443146-93-8P 635324-71-9P  
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 635324-76-4P 635324-79-7P 635324-82-2P  
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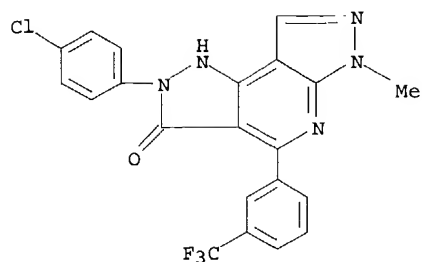
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of dihydrodipyrzolo[3,4-b:3',4'-d]pyridinones as B7-1/CD28 binding inhibitors for the immunotherapeutic treatment of organ transplant rejection)

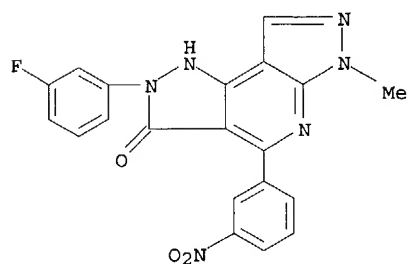
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CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-chlorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

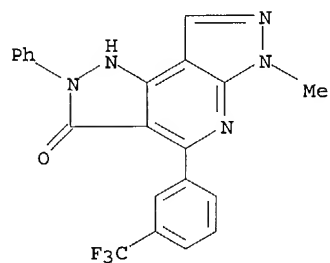
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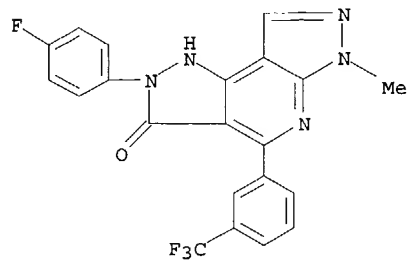
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CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 635324-71-9 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-phenyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

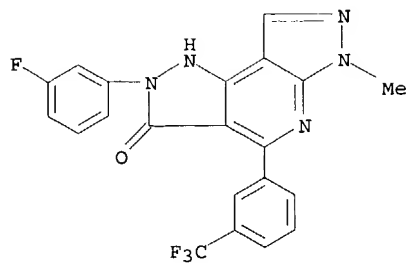


RN 635324-72-0 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



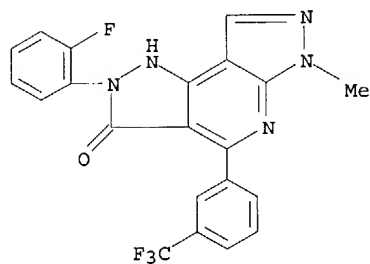
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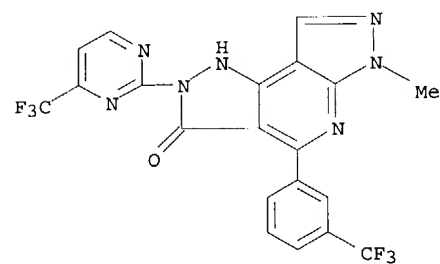
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CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(2-fluorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



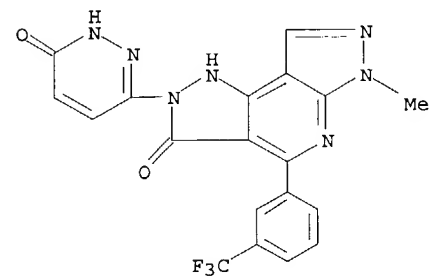
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CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]-2-[4-(trifluoromethyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 635324-79-7 CAPLUS

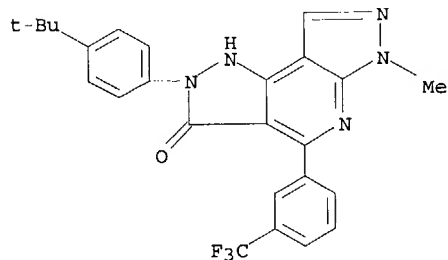
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(1,6-dihydro-6-oxo-3-pyridazinyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



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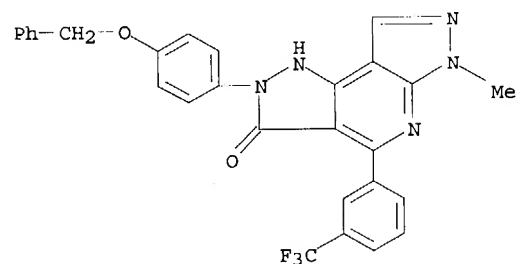
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CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-[4-(1,1-dimethylethyl)phenyl]-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



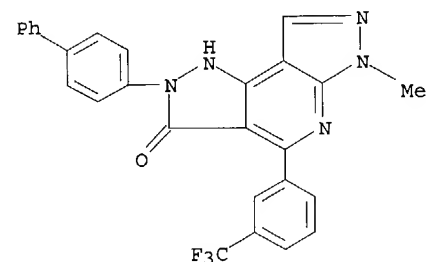
RN 635324-84-4 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-[4-(phenylmethoxy)phenyl]-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



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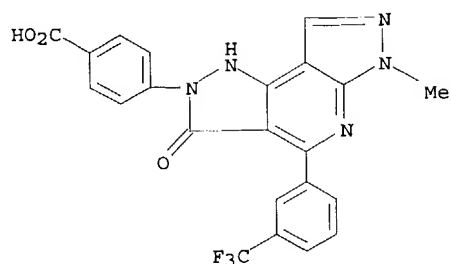
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-[1,1'-biphenyl]-4-yl-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635324-87-7 CAPLUS

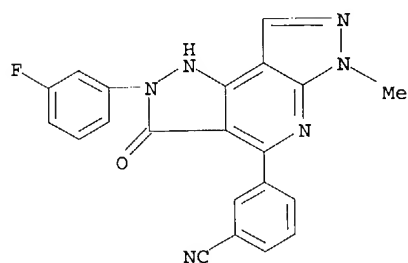
CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

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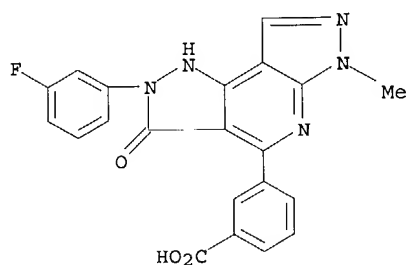
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CN Benzonitrile, 3-[2-(3-fluorophenyl)-1,2,3,6-tetrahydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-4-yl]- (9CI) (CA INDEX NAME)



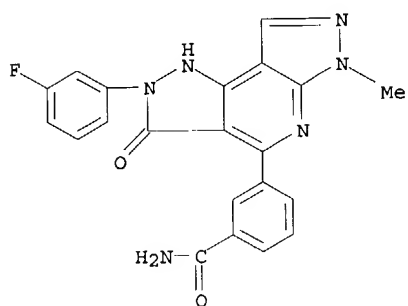
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CN Benzoic acid, 3-[2-(3-fluorophenyl)-1,2,3,6-tetrahydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-4-yl]- (9CI) (CA INDEX NAME)



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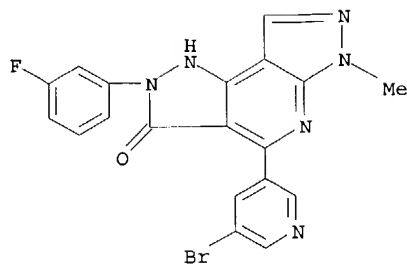
CN Benzamide, 3-[2-(3-fluorophenyl)-1,2,3,6-tetrahydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-4-yl]- (9CI) (CA INDEX NAME)



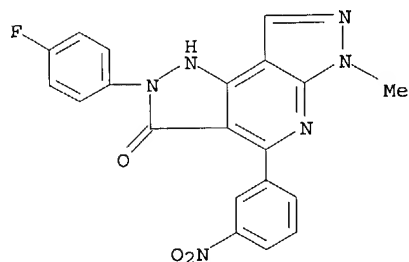
RN 635324-94-6 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(5-bromo-3-pyridinyl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)

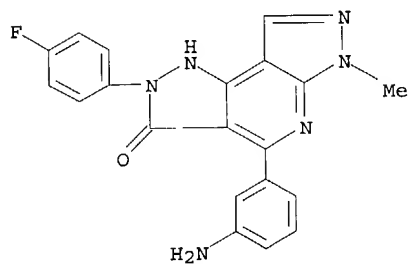
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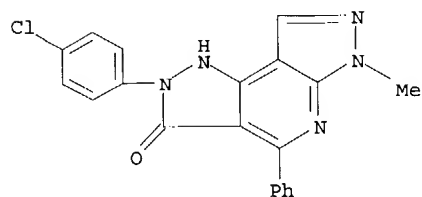
RN 635324-95-7 CAPLUS  
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 635324-96-8 CAPLUS  
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3-aminophenyl)-2-(4-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)

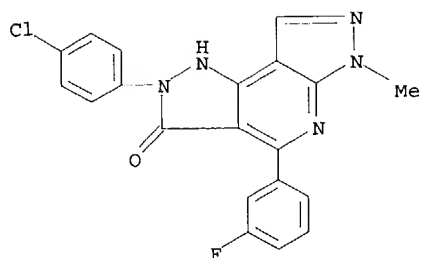


RN 635324-97-9 CAPLUS  
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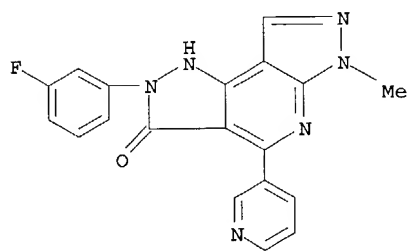
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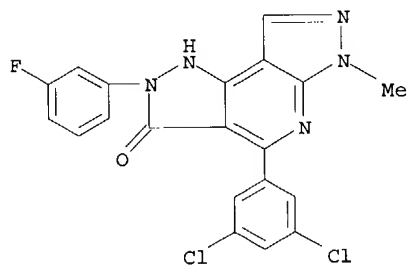
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CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-pyridinyl)- (9CI) (CA INDEX NAME)



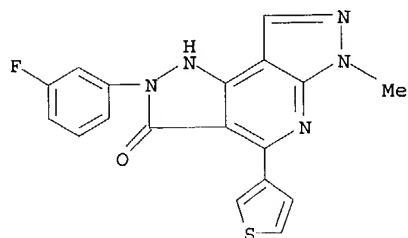
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CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3,5-dichlorophenyl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



RN 635325-05-2 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-thienyl)- (9CI) (CA INDEX NAME)

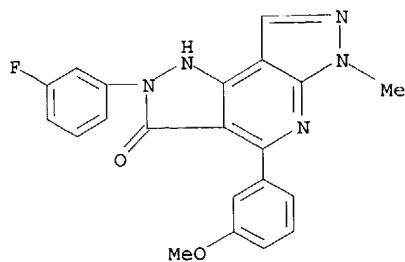


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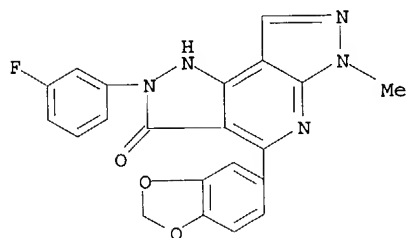
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-4-(3-methoxyphenyl)-6-methyl- (9CI) (CA INDEX NAME)



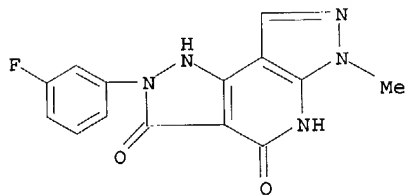
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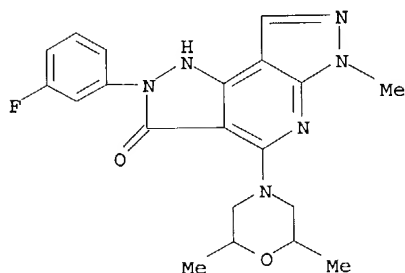
RN 635325-07-4 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(1,3-benzodioxol-5-yl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



RN 635325-09-6 CAPLUS  
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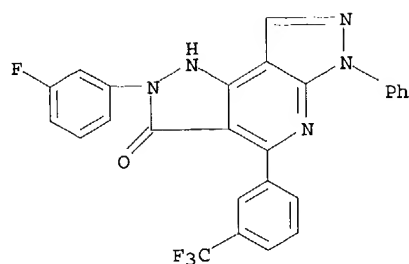


RN 635325-11-0 CAPLUS  
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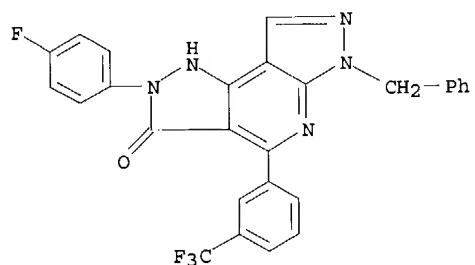


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CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-phenyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

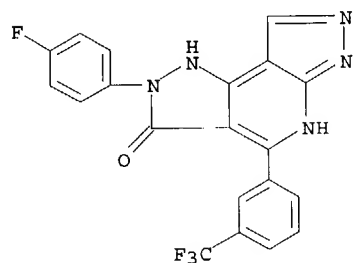
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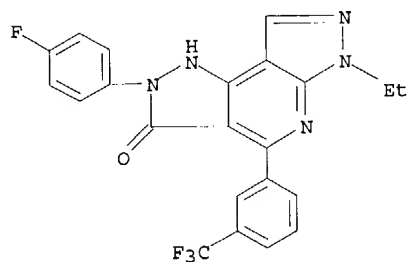
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CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-6-(phenylmethyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-21-2 CAPLUS  
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,5-dihydro-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

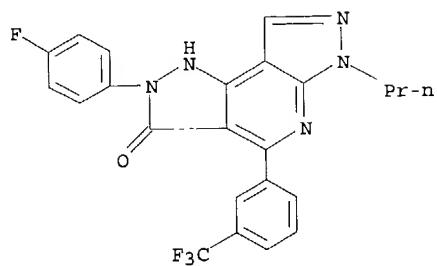


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CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-2-(4-fluorophenyl)-1,6-dihydro-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

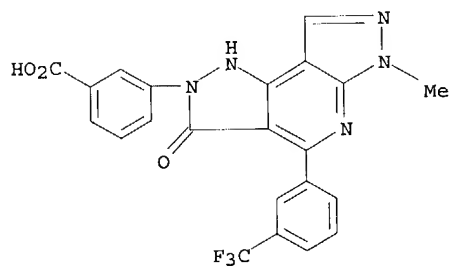


RN 635325-25-6 CAPLUS  
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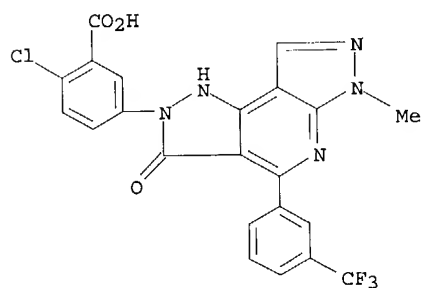
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RN 635325-27-8 CAPLUS  
CN Benzoic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
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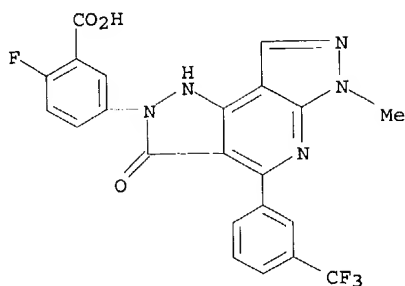


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(CA INDEX NAME)

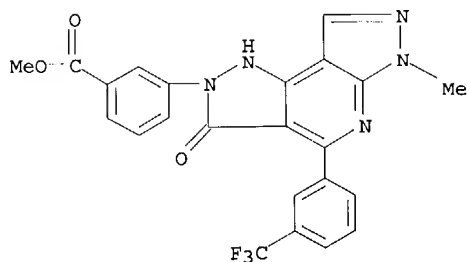


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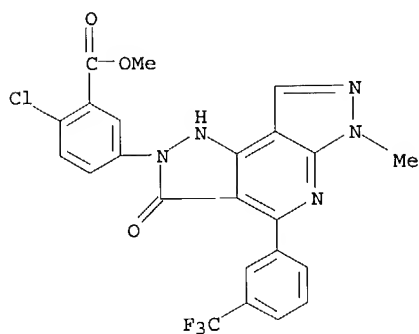
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RN 635325-30-3 CAPLUS  
CN Benzoic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, methyl ester (9CI) (CA INDEX NAME)

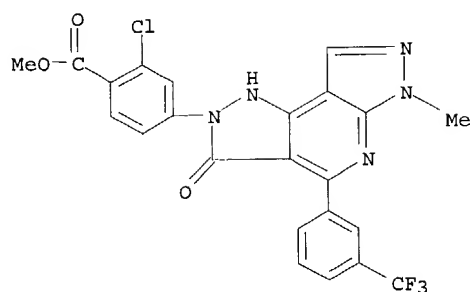


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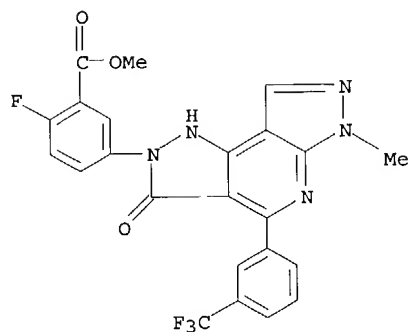
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CN Benzoic acid, 2-chloro-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, methyl ester (9CI) (CA INDEX NAME)

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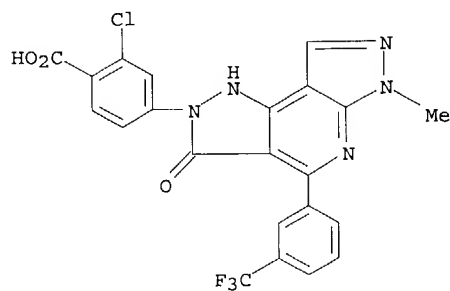
RN 635325-34-7 CAPLUS

CN Benzoic acid, 5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-, methyl ester (9CI) (CA INDEX NAME)



RN 635325-35-8 CAPLUS

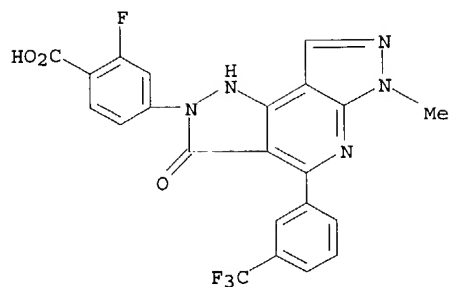
CN Benzoic acid, 2-chloro-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)



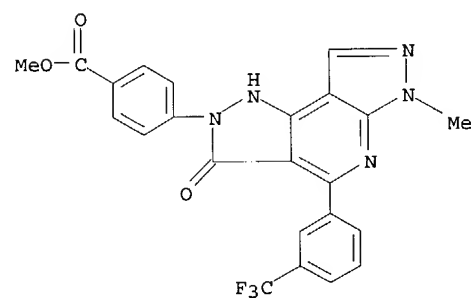
RN 635325-36-9 CAPLUS

CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro- (9CI) (CA INDEX NAME)

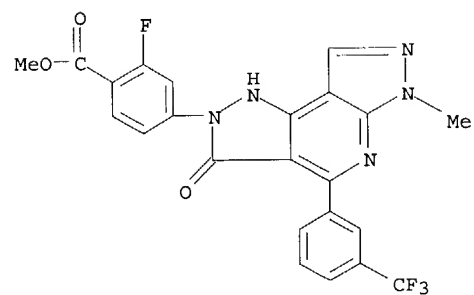
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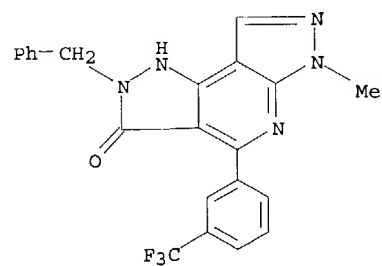
RN 635325-37-0 CAPLUS  
CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, methyl ester (9CI) (CA INDEX NAME)



RN 635325-38-1 CAPLUS  
CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-, methyl ester (9CI) (CA INDEX NAME)



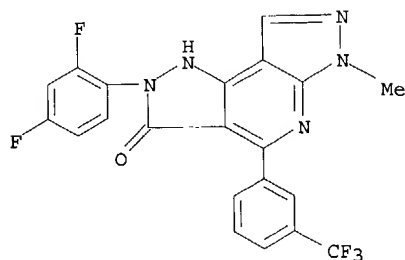
RN 635325-77-8 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-(phenylmethyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



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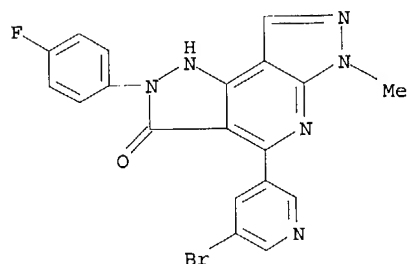
RN 635325-95-0 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(2,4-difluorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



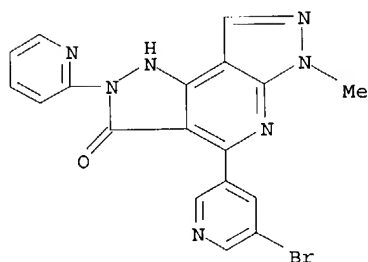
RN 668481-76-3 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(5-bromo-3-pyridinyl)-2-(4-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



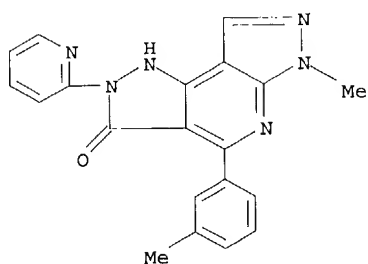
RN 668481-77-4 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(5-bromo-3-pyridinyl)-1,6-dihydro-6-methyl-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



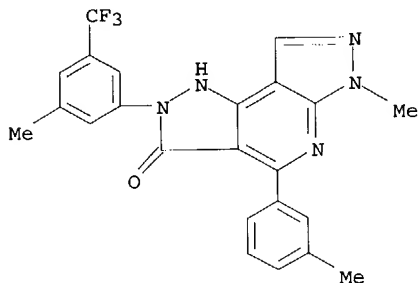
RN 668481-78-5 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-4-(3-methylphenyl)-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)

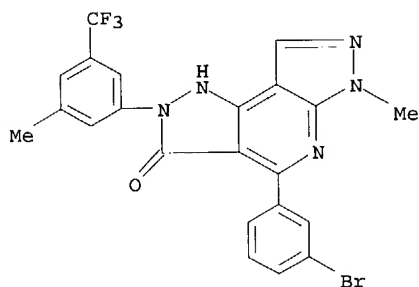


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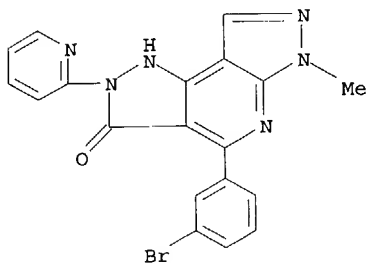
RN 668481-79-6 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-4-(3-methylphenyl)-2-[3-methyl-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 668481-80-9 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3-bromophenyl)-1,6-dihydro-6-methyl-2-[3-methyl-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



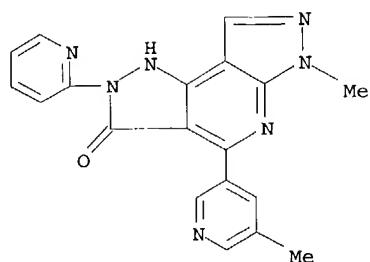
RN 668481-81-0 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3-bromophenyl)-1,6-dihydro-6-methyl-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



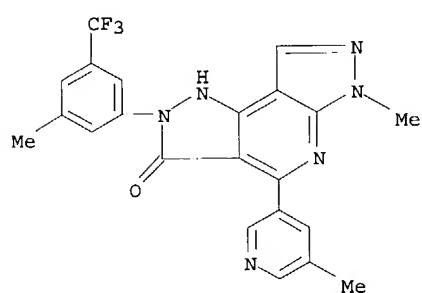
RN 668481-82-1 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-4-(5-methyl-3-pyridinyl)-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



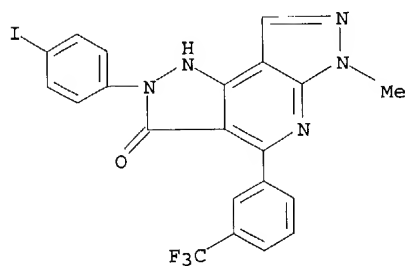
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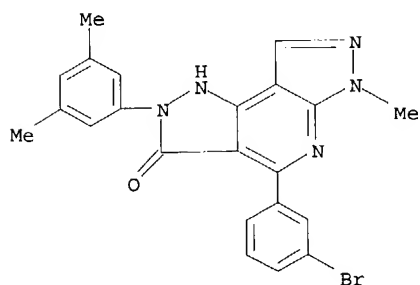
RN 668481-83-2 CAPLUS  
 CN Dipyrrolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-4-(5-methyl-3-pyridinyl)-2-[3-methyl-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 668481-84-3 CAPLUS  
 CN Dipyrrolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-2-(4-iodophenyl)-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

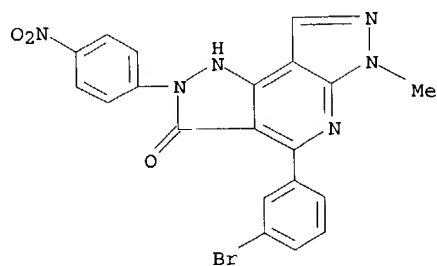


RN 668481-85-4 CAPLUS  
 CN Dipyrrolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3-bromophenyl)-2-(3,5-dimethylphenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)

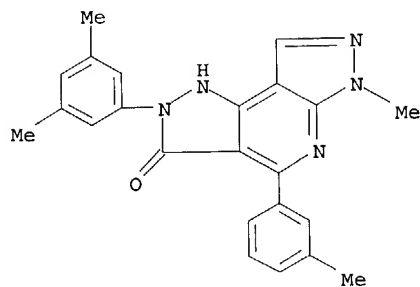


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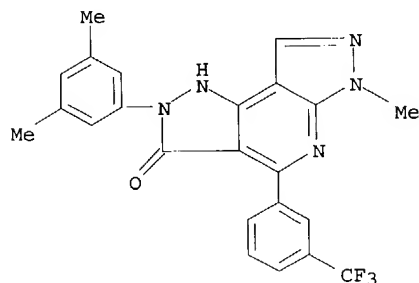
RN 668481-86-5 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3-bromophenyl)-1,6-dihydro-6-methyl-2-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 668481-87-6 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3,5-dimethylphenyl)-1,6-dihydro-6-methyl-4-(3-methylphenyl)- (9CI) (CA INDEX NAME)

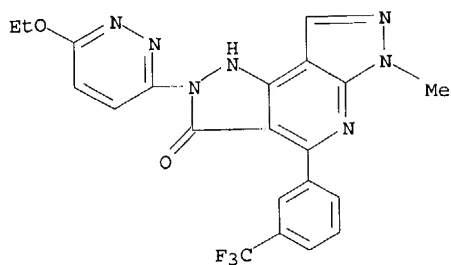


RN 668481-88-7 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3,5-dimethylphenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

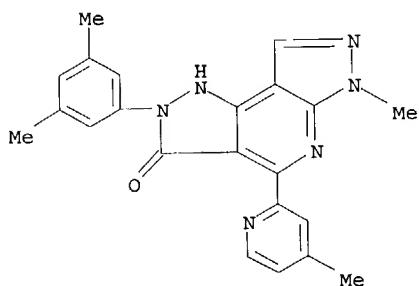


RN 668481-89-8 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(6-ethoxy-3-pyridazinyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

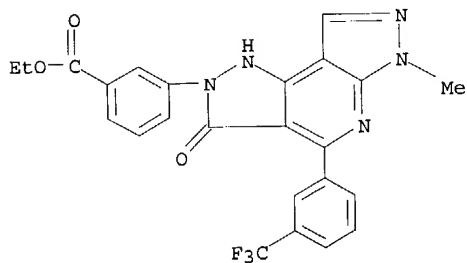
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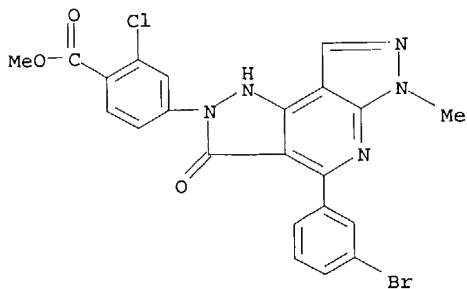
RN 668481-90-1 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3,5-dimethylphenyl)-1,6-dihydro-6-methyl-4-(4-methyl-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 668481-91-2 CAPLUS  
CN Benzoic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, ethyl ester (9CI) (CA INDEX NAME)

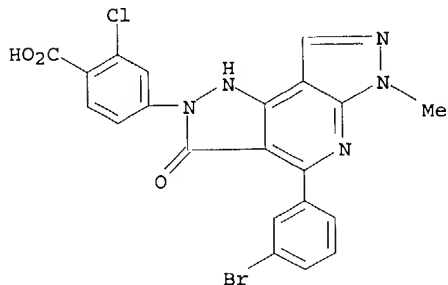


RN 668481-92-3 CAPLUS  
CN Benzoic acid, 4-[4-(3-bromophenyl)-3,6-dihydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-chloro-, methyl ester (9CI) (CA INDEX NAME)

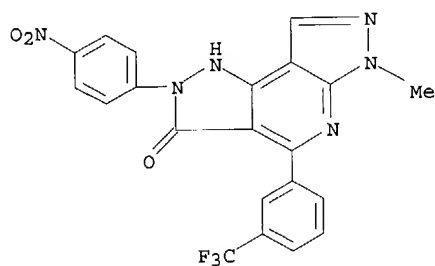


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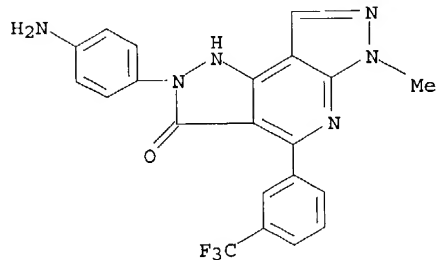
RN 668481-93-4 CAPLUS  
CN Benzoic acid, 4-[4-(3-bromophenyl)-3,6-dihydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-chloro- (9CI) (CA INDEX NAME)



RN 668481-94-5 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-(4-nitrophenyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



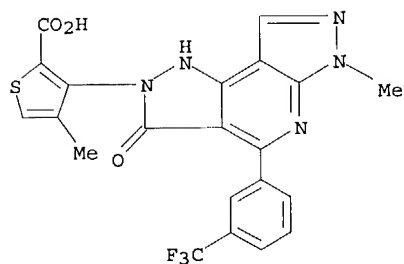
RN 668481-96-7 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-aminophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



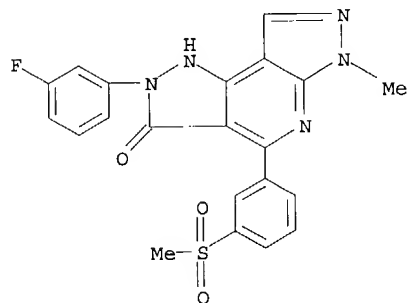
RN 668481-97-8 CAPLUS  
CN 2-Thiophenecarboxylic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)

CCOC(=O)c1cc(C)s1N2C(=O)Nc3c(N2)c(N4C=NN(C)C4)c5cc(ccc5c3-c6ccc(cc6)C(F)(F)F)N

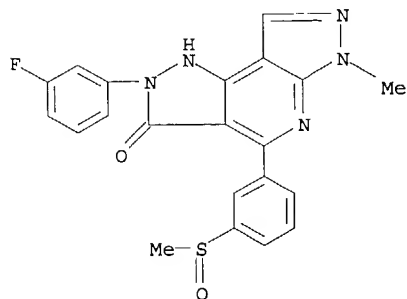
2-Thiophenecarboxylic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-4-methyl- (9CI) (CA INDEX NAME)



RN 668481-99-0 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-  
 6-methyl-4-[3-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

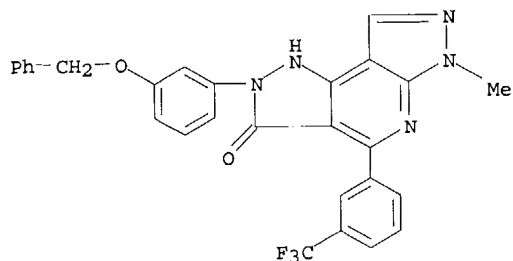


RN 668482-00-6 CAPLUS  
 CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-[3-(methylsulfinyl)phenyl]- (9CI) (CA INDEX NAME)

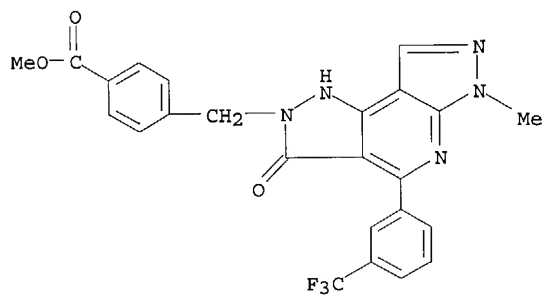


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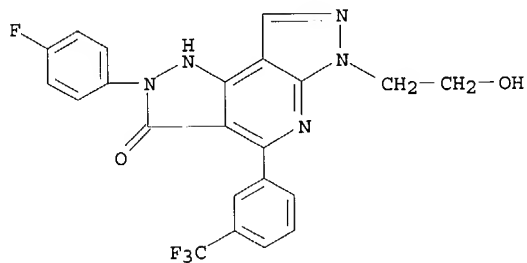
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CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-[3-(phenylmethoxy)phenyl]-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 668482-02-8 CAPLUS  
CN Benzoic acid, 4-[[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]methyl]-, methyl ester (9CI) (CA INDEX NAME)

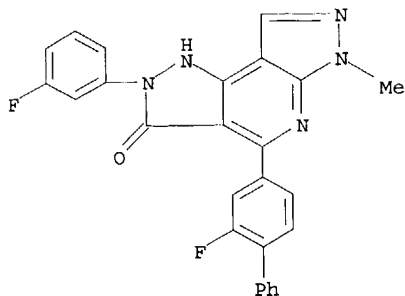


RN 668482-03-9 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-6-(2-hydroxyethyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



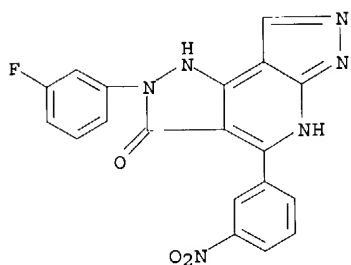
RN 668482-04-0 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(2-fluoro[1,1'-biphenyl]-4-yl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)

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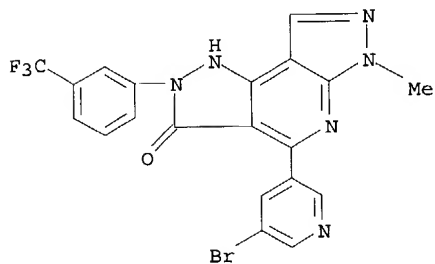
RN 668482-06-2 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,5-dihydro-4-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 668482-07-3 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(5-bromo-3-pyridinyl)-1,6-dihydro-6-methyl-2-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:100816 CAPLUS

DN 140:163860

TI Preparation of dihydrodipyrzolo-pyridinylbenzamide and -sulfonamide inhibitors of B7-1

IN Green, Neal Jeffrey; Xiang, Jason Shaoyun; Davies, Audrey Molina; Chen, Lihren

PA Wyeth, John, and Brother Ltd., USA

SO U.S. Pat. Appl. Publ., 19 pp.

CODEN: USXXCO

DT Patent

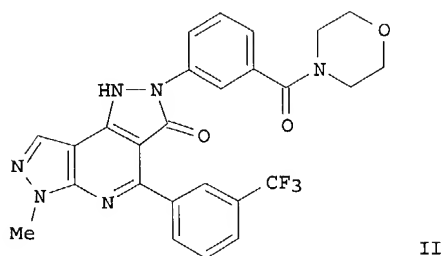
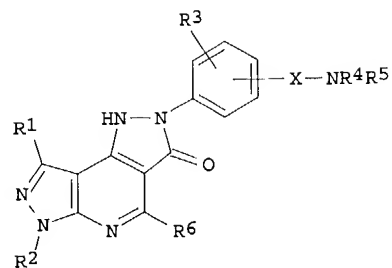
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE
PI	US 2004024008	A1	20040205
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OS	MARPAT 140:163860		
GI			

APPLICATION NO.	DATE
US 2003-629276	20030728

= 6734190



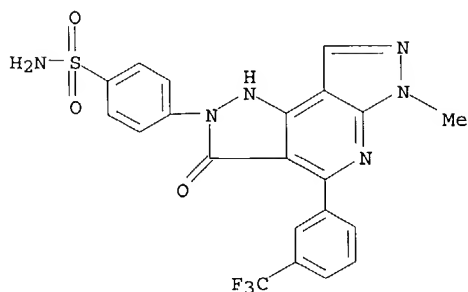
AB The title compds. [I; X = CO, SO<sub>2</sub>; R<sub>1</sub>, R<sub>2</sub> = H, alkyl, haloalkyl, cycloalkyl, etc.; R<sub>3</sub> = H, F, Cl, Br, I; R<sub>4</sub>, R<sub>5</sub> = H, NH<sub>2</sub>, (CH<sub>2</sub>)<sub>2</sub>O(CH<sub>2</sub>)<sub>2</sub>O(CH<sub>2</sub>)<sub>2</sub>NH<sub>2</sub>, etc.; or NR<sub>4</sub>R<sub>5</sub> = (un)substituted 5-7 membered ring optionally containing one double bond, benzofused ring or an addnl. heteroatom selected from O, (un)substituted NH, S; R<sub>6</sub> = (un)substituted Ph, cycloheteroalkyl, heteroaryl], useful for the immunotherapeutic treatment of transplant rejection or autoimmune disease, were prepared E.g., a multi-step synthesis of II which showed IC<sub>50</sub> of 54 nM in test for B7-1/CD28 binding inhibition, was given. The pharmaceutical composition comprising the compound I is claimed.

IT 635324-83-3P 635325-27-8P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of dihydrodipyrzolo[3,4-b:3',4'-d]pyridinylbenzamide and -sulfonamide inhibitors of B7-1/CD28 binding)

RN 635324-83-3 CAPLUS

CN Benzenesulfonamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
(CA INDEX NAME)

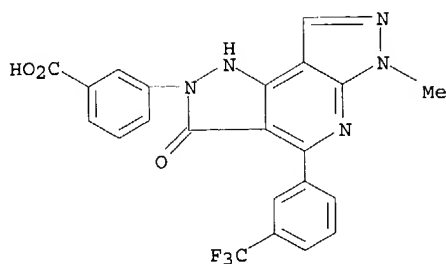


RN 635325-27-8 CAPLUS

CN Benzoic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
(CA INDEX NAME)



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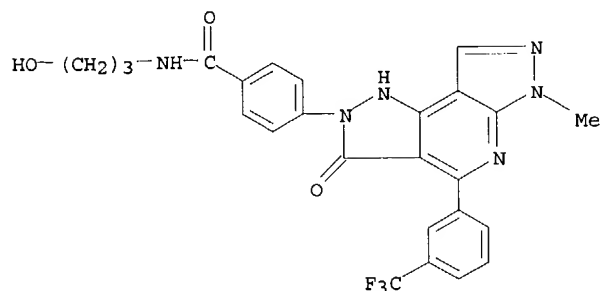
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654681-88-6P 654681-90-0P 654681-92-2P  
654681-94-4P 654681-96-6P 654681-98-8P  
654682-02-7P 654682-04-9P 654682-06-1P  
654682-08-3P 654682-10-7P 654682-12-9P  
654682-14-1P 654682-17-4P 654682-20-9P  
654682-22-1P 654682-24-3P 654682-27-6P  
654682-28-7P 654682-30-1P 654682-32-3P  
654682-34-5P 654682-37-8P 654682-40-3P  
654682-42-5P 654682-44-7P 654682-46-9P  
654682-48-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(preparation of dihydrodipyrzolo[1,5-a]pyridinylbenzamide and -sulfonamide  
inhibitors of B7-1/CD28 binding)

RN 635325-39-2 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-  
(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3-  
hydroxypropyl)- (9CI) (CA INDEX NAME)

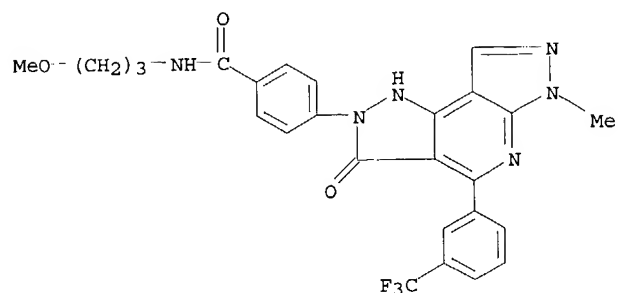


RN 635325-40-5 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-

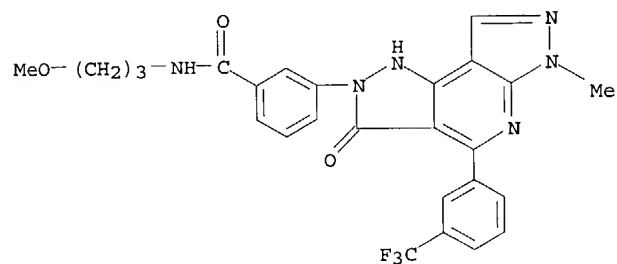
10629227

(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3-methoxypropyl)- (9CI) (CA INDEX NAME)



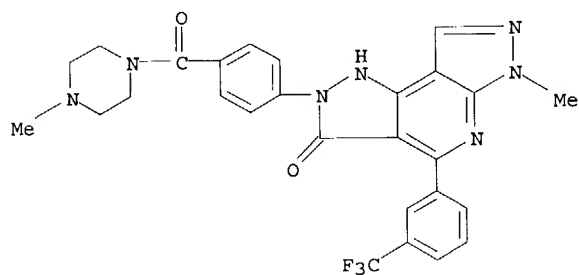
RN 635325-41-6 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3-methoxypropyl)- (9CI) (CA INDEX NAME)



RN 635325-42-7 CAPLUS

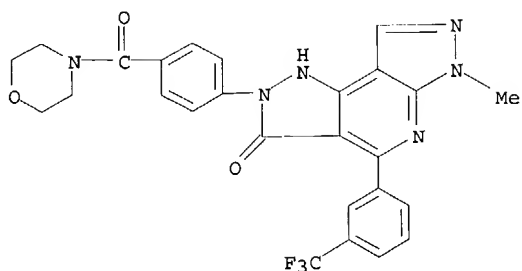
CN Piperazine, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 635325-43-8 CAPLUS

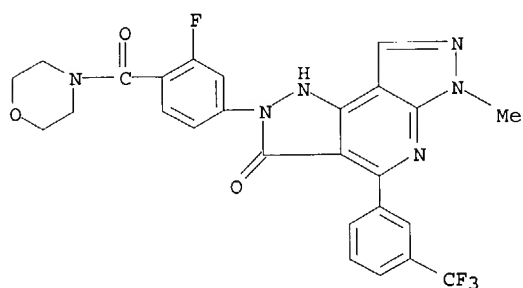
CN Morpholine, 4-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)

10629227



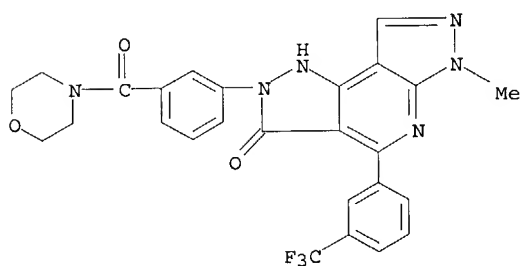
RN 635325-44-9 CAPLUS

CN Morpholine, 4-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluorobenzoyl]- (9CI) (CA INDEX NAME)



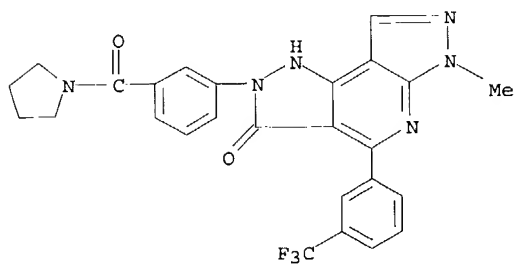
RN 635325-45-0 CAPLUS

CN Morpholine, 4-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



RN 635325-46-1 CAPLUS

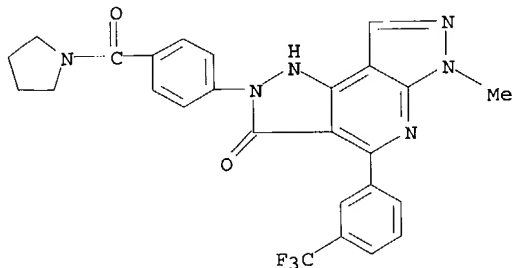
CN Pyrrolidine, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



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RN 635325-47-2 CAPLUS

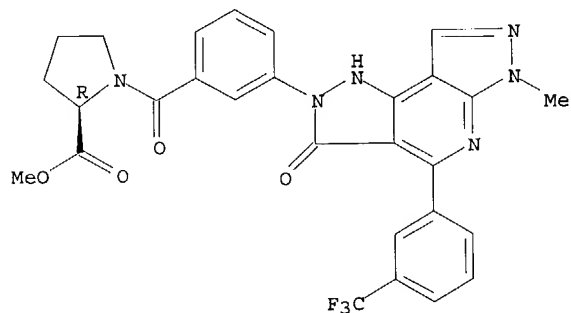
CN Pyrrolidine, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)



RN 635325-48-3 CAPLUS

CN D-Proline, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

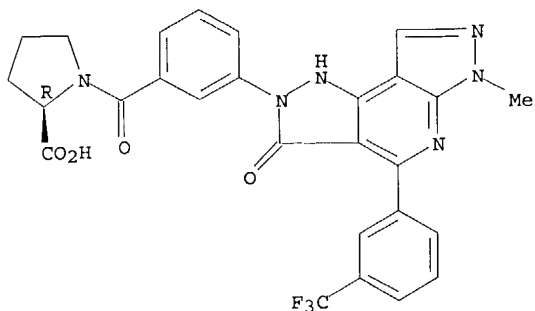
Absolute stereochemistry.



RN 635325-49-4 CAPLUS

CN D-Proline, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

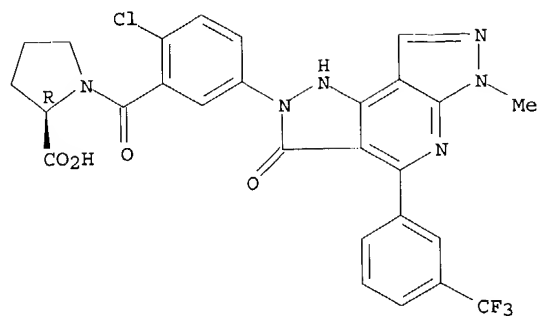


RN 635325-50-7 CAPLUS

CN D-Proline, 1-[2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

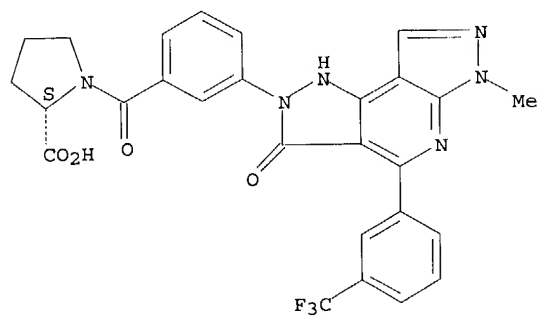
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RN 635325-51-8 CAPLUS

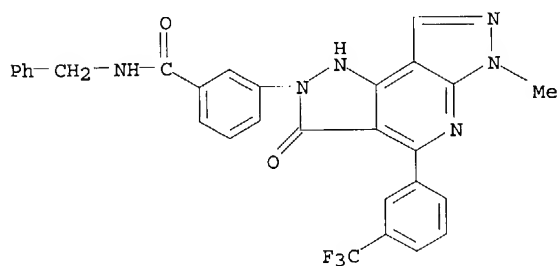
CN L-Proline, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 635325-52-9 CAPLUS

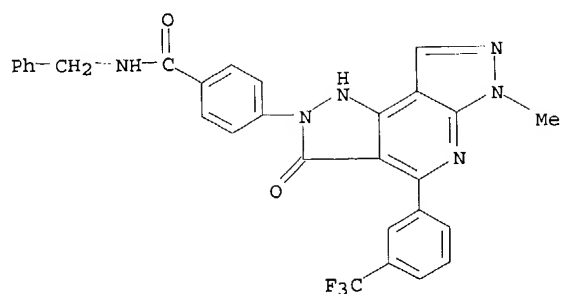
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(phenylmethyl)-(9CI) (CA INDEX NAME)



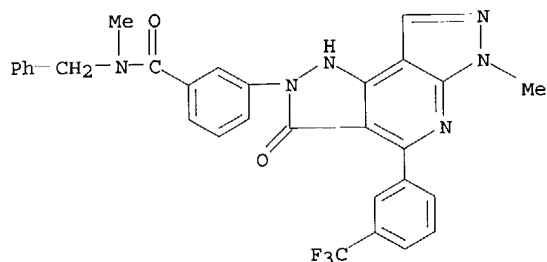
RN 635325-53-0 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(phenylmethyl)-(9CI) (CA INDEX NAME)

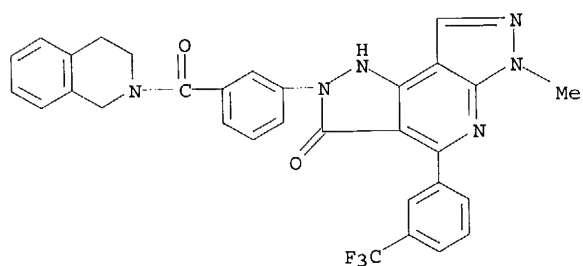
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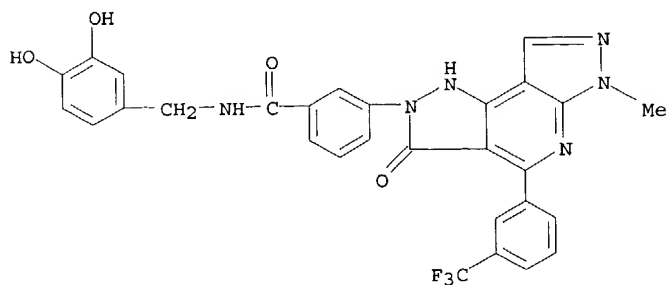
RN 635325-54-1 CAPLUS  
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 635325-55-2 CAPLUS  
CN Isoquinoline, 2-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



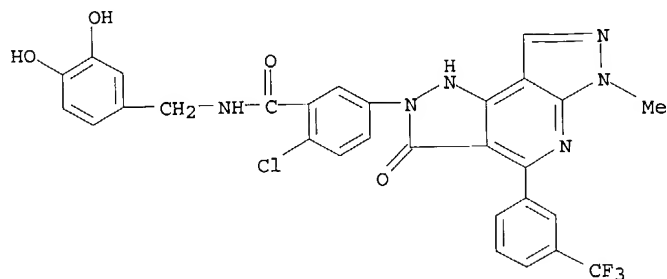
RN 635325-57-4 CAPLUS  
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(3,4-dihydroxyphenyl)methyl]- (9CI) (CA INDEX NAME)



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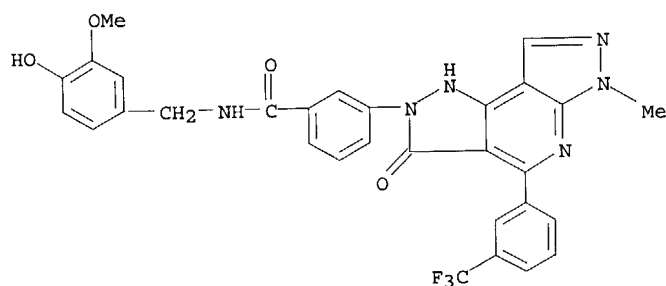
RN 635325-58-5 CAPLUS

CN Benzamide, 2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(3,4-dihydroxyphenyl)methyl]- (9CI) (CA INDEX NAME)



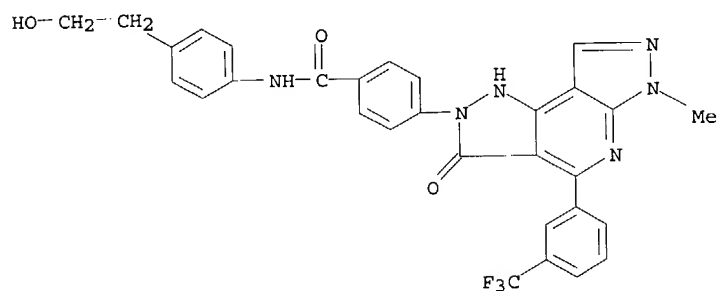
RN 635325-59-6 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(4-hydroxy-3-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



RN 635325-60-9 CAPLUS

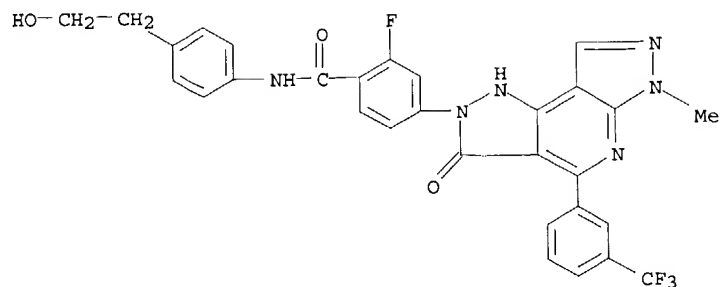
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[4-(2-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-61-0 CAPLUS

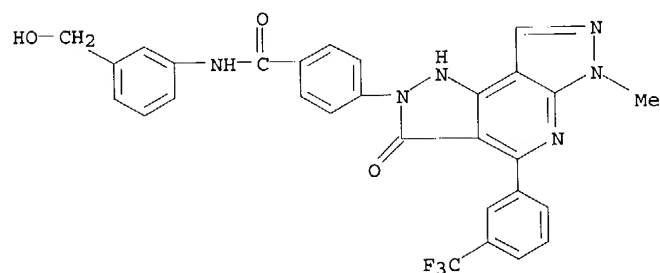
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-[4-(2-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)

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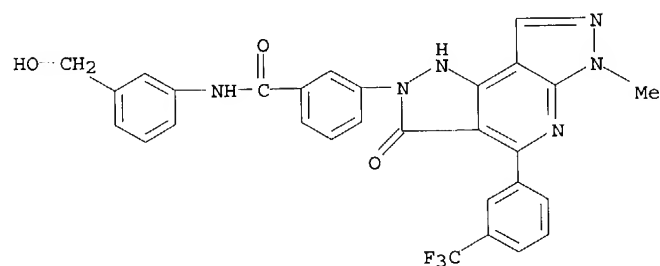
RN 635325-62-1 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)



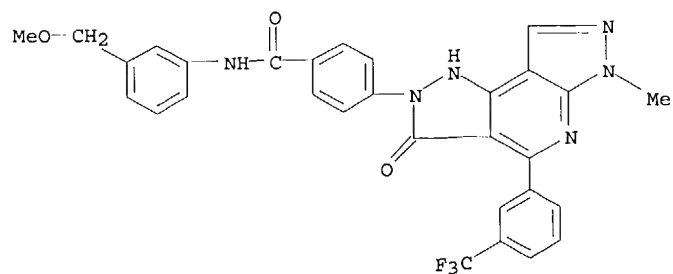
RN 635325-63-2 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-64-3 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(methoxymethyl)phenyl]- (9CI) (CA INDEX NAME)

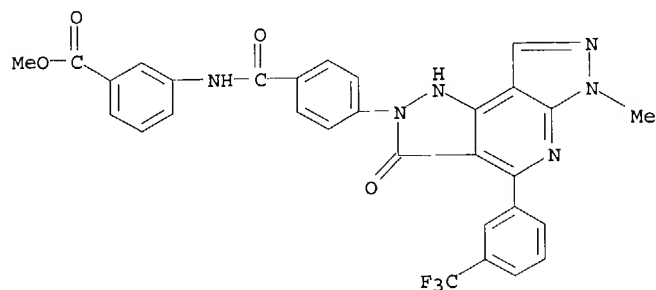




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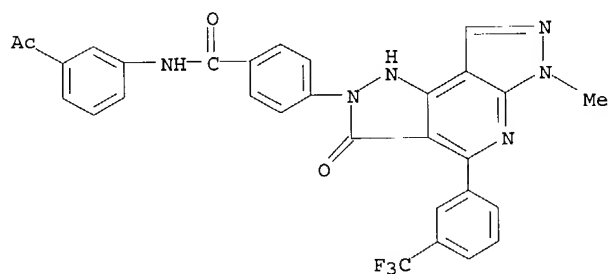
RN 635325-65-4 CAPLUS

CN Benzoic acid, 3-[[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



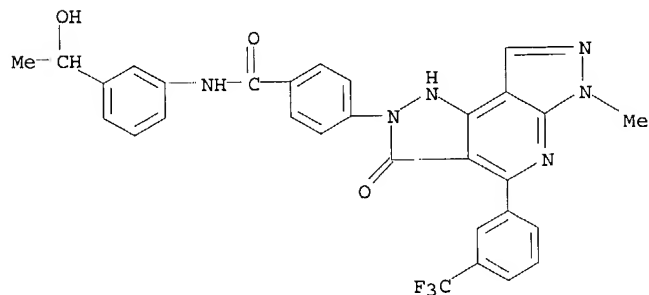
RN 635325-66-5 CAPLUS

CN Benzamide, N-(3-acetylphenyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)



RN 635325-67-6 CAPLUS

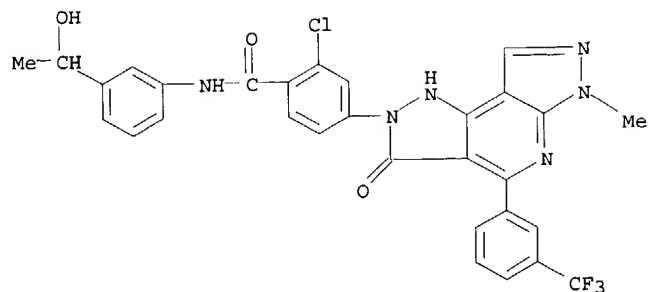
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(1-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



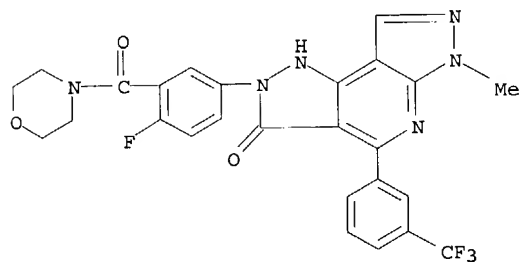
RN 635325-68-7 CAPLUS

CN Benzamide, 2-chloro-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(1-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)

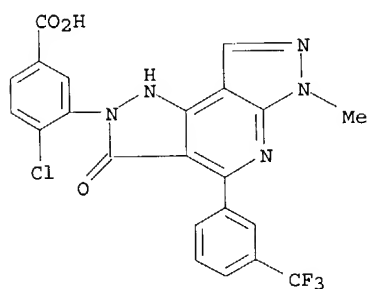
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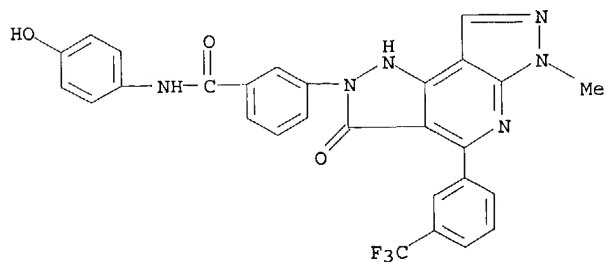
RN 635325-69-8 CAPLUS  
CN Morpholine, 4-[5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluorobenzoyl]- (9CI) (CA INDEX NAME)



RN 654679-05-7 CAPLUS  
CN Benzoic acid, 4-chloro-3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)



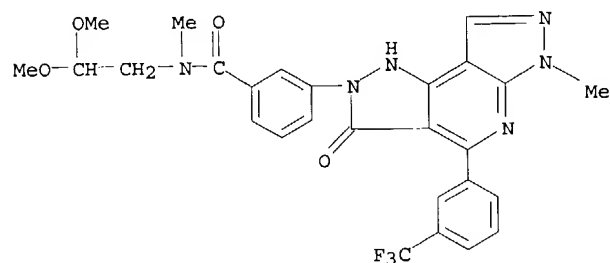
RN 654679-15-9 CAPLUS  
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



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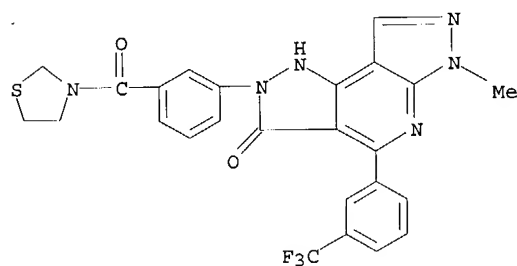
RN 654679-21-7 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2,2-dimethoxyethyl)-N-methyl- (9CI) (CA INDEX NAME)



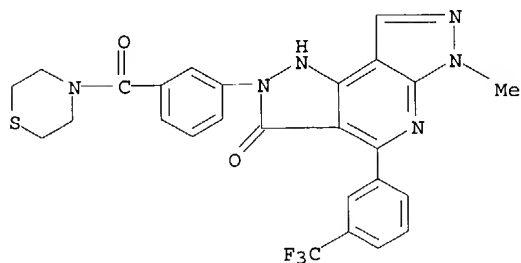
RN 654679-27-3 CAPLUS

CN Thiazolidine, 3-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



RN 654679-32-0 CAPLUS

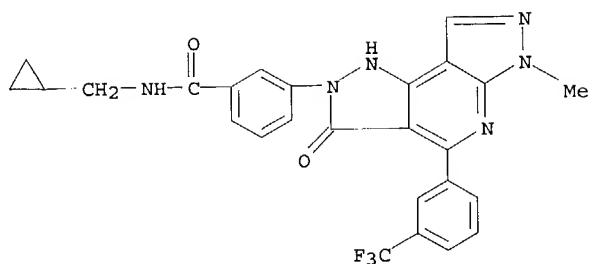
CN Thiomorpholine, 4-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



RN 654679-41-1 CAPLUS

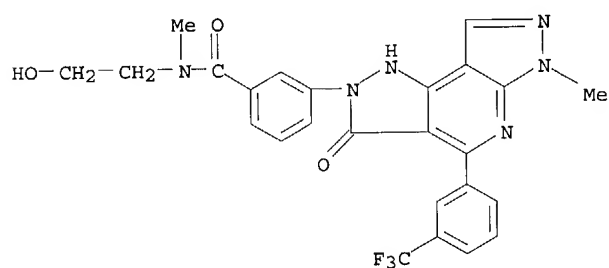
CN Benzamide, N-(cyclopropylmethyl)-3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

10629227



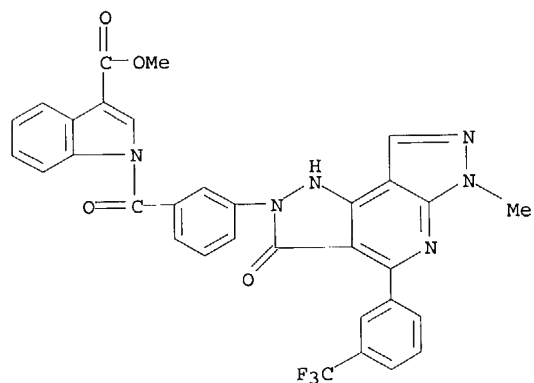
RN 654679-48-8 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2-hydroxyethyl)-N-methyl- (9CI) (CA INDEX NAME)



RN 654679-54-6 CAPLUS

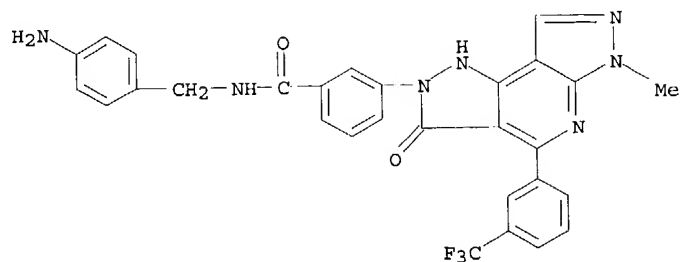
CN 1H-Indole-3-carboxylic acid, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 654679-59-1 CAPLUS

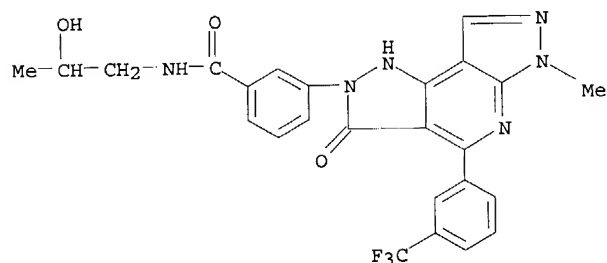
CN Benzamide, N-[(4-aminophenyl)methyl]-3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

10629227



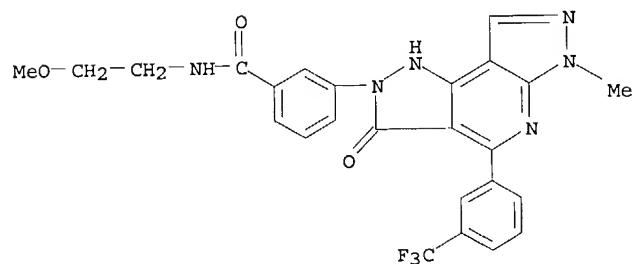
RN 654679-71-7 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2-hydroxypropyl)-(9CI) (CA INDEX NAME)



RN 654679-76-2 CAPLUS

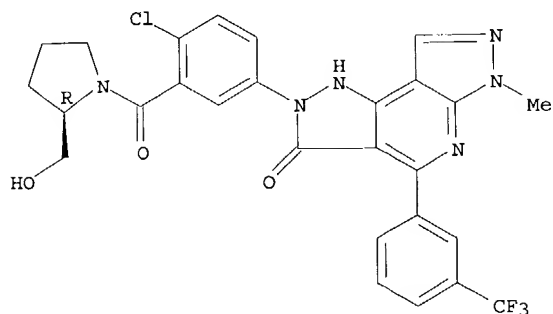
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2-methoxyethyl)-(9CI) (CA INDEX NAME)



RN 654679-91-1 CAPLUS

CN 2-Pyrrolidinemethanol, 1-[2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-, (2R)-(9CI) (CA INDEX NAME)

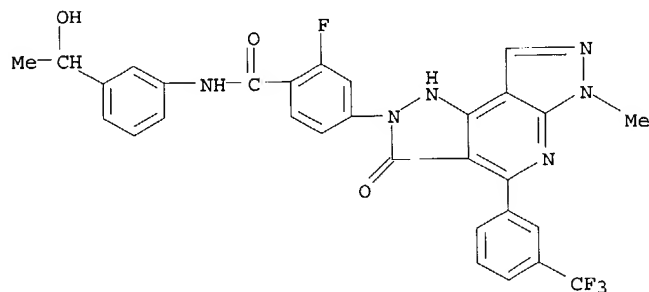
Absolute stereochemistry.



10629227

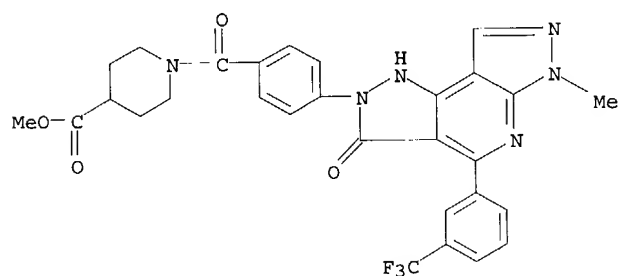
RN 654679-98-8 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-[3-(1-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



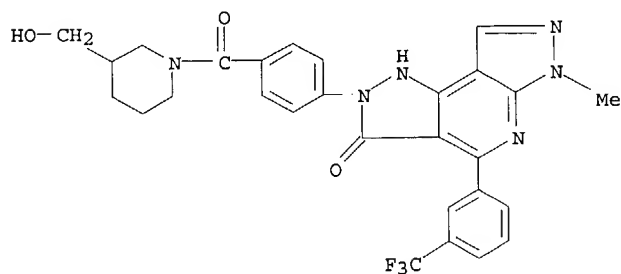
RN 654680-10-1 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 654680-61-2 CAPLUS

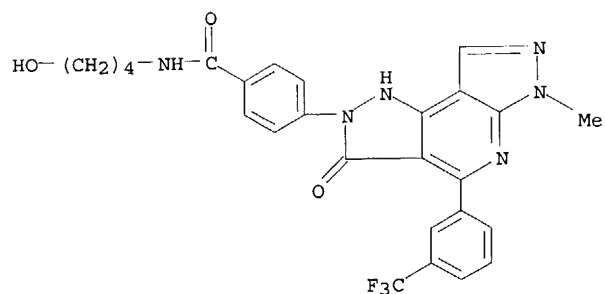
CN 3-Piperidinemethanol, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



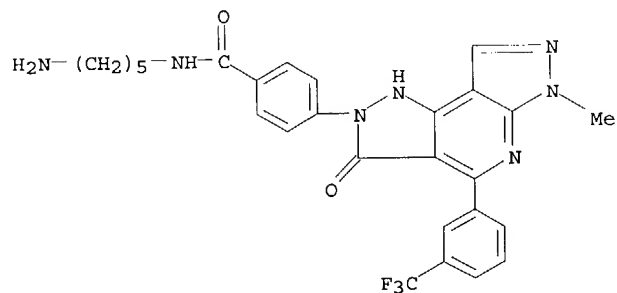
RN 654680-66-7 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(4-hydroxybutyl)- (9CI) (CA INDEX NAME)

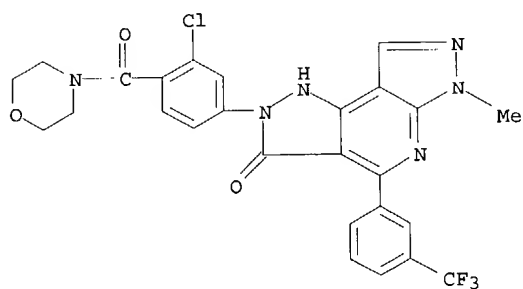
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RN 654680-75-8 CAPLUS  
 CN Benzamide, N-(5-aminopentyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
 (CA INDEX NAME)

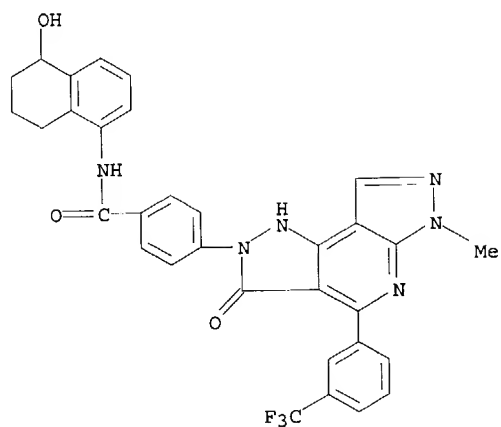


RN 654680-80-5 CAPLUS  
 CN Morpholine, 4-[2-chloro-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



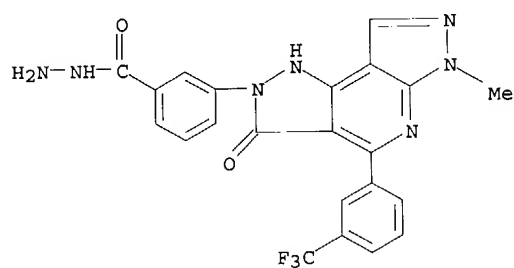
RN 654680-93-0 CAPLUS  
 CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(5,6,7,8-tetrahydro-5-hydroxy-1-naphthalenyl)- (9CI) (CA INDEX NAME)

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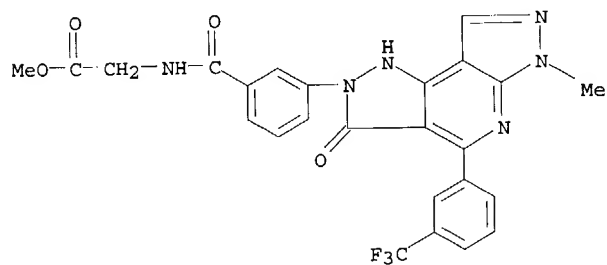
RN 654680-98-5 CAPLUS

CN Benzoic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, hydrazide (9CI) (CA INDEX NAME)



RN 654681-03-5 CAPLUS

CN Glycine, N-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-, methyl ester (9CI) (CA INDEX NAME)



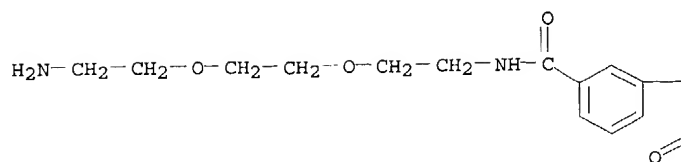
RN 654681-08-0 CAPLUS

CN Benzamide, N-[2-[2-(2-aminoethoxy)ethoxy]ethyl]-3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

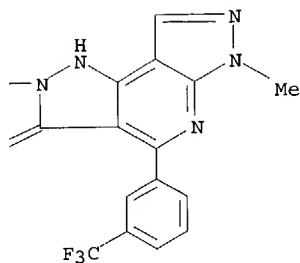


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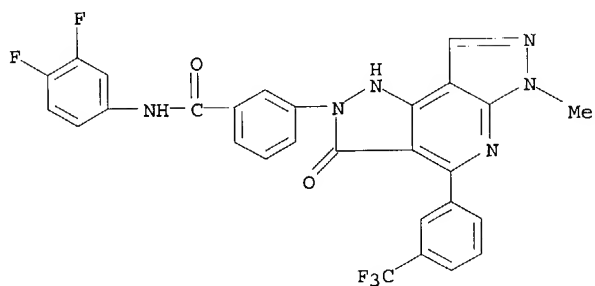
PAGE 1-A



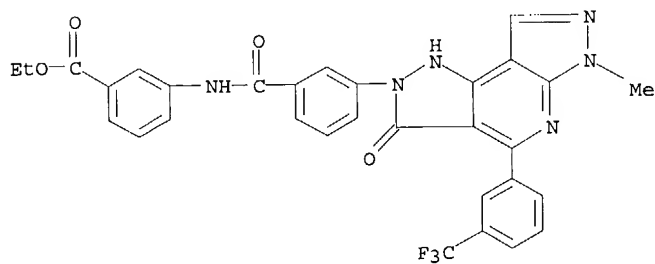
PAGE 1-B



RN 654681-13-7 CAPLUS  
 CN Benzamide, N-(3,4-difluorophenyl)-3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
 (CA INDEX NAME)

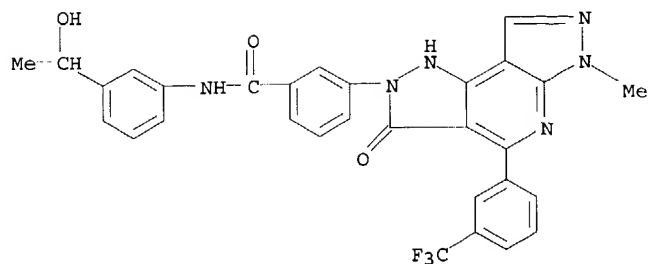


RN 654681-17-1 CAPLUS  
 CN Benzoic acid, 3-[[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoylamino]-, ethyl ester (9CI) (CA INDEX NAME)



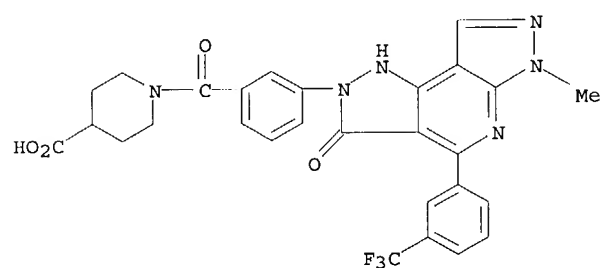
RN 654681-25-1 CAPLUS  
 CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(1-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)

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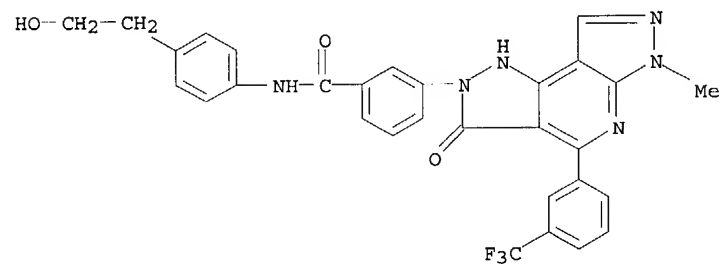
RN 654681-35-3 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



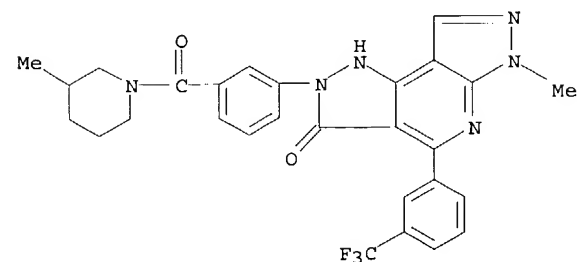
RN 654681-38-6 CAPLUS

CN Benzamide, 3-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[4-(2-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 654681-43-3 CAPLUS

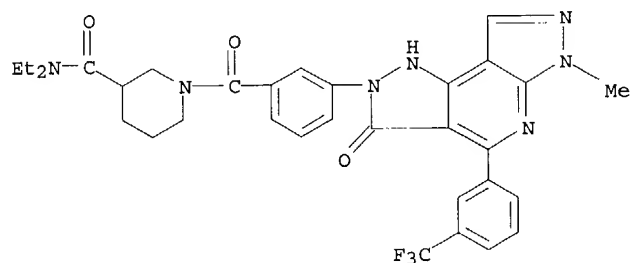
CN Piperidine, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-3-methyl- (9CI) (CA INDEX NAME)



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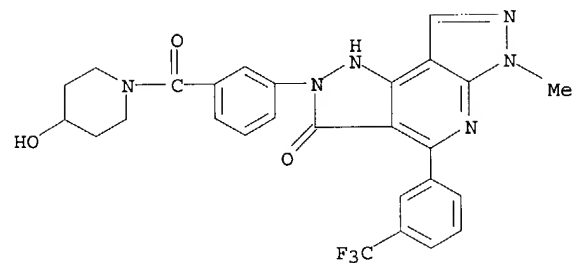
RN 654681-45-5 CAPLUS

CN 3-Piperidinecarboxamide, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-N,N-diethyl- (9CI) (CA INDEX NAME)



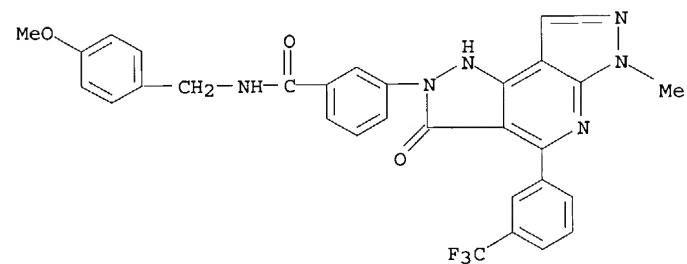
RN 654681-46-6 CAPLUS

CN 4-Piperidinol, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



RN 654681-49-9 CAPLUS

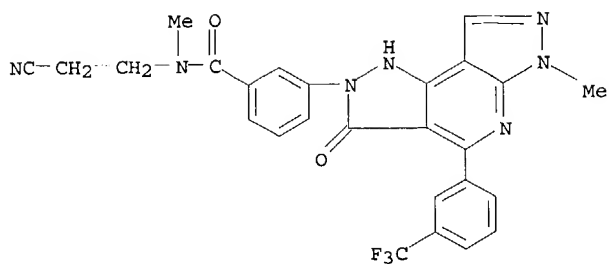
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(4-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



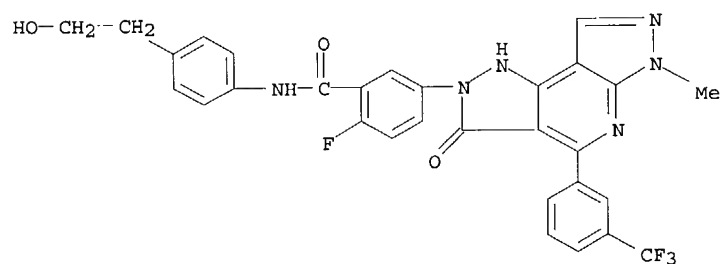
RN 654681-52-4 CAPLUS

CN Benzamide, N-(2-cyanoethyl)-3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-methyl- (9CI) (CA INDEX NAME)

10629227

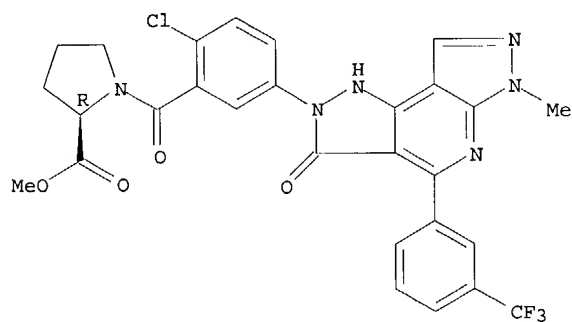


RN 654681-55-7 CAPLUS  
 CN Benzamide, 5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-[4-(2-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)

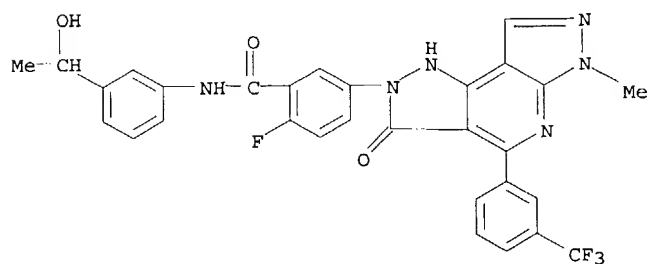


RN 654681-60-4 CAPLUS  
 CN D-Proline, 1-[2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



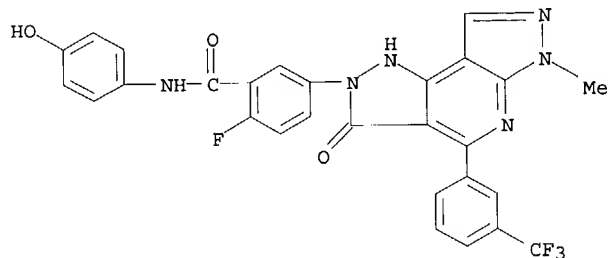
RN 654681-63-7 CAPLUS  
 CN Benzamide, 5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-[3-(1-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



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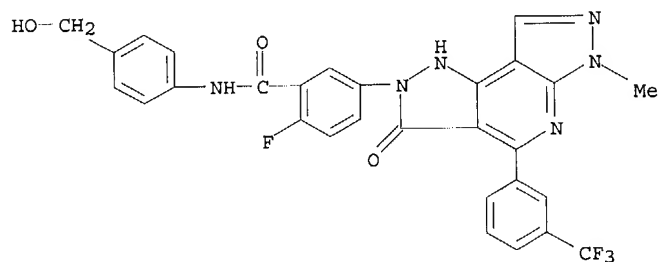
RN 654681-68-2 CAPLUS

CN Benzamide, 5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



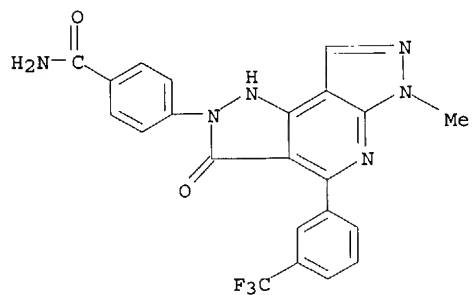
RN 654681-70-6 CAPLUS

CN Benzamide, 5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-[4-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 654681-75-1 CAPLUS

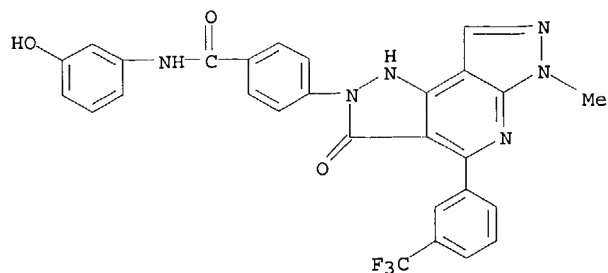
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)



RN 654681-78-4 CAPLUS

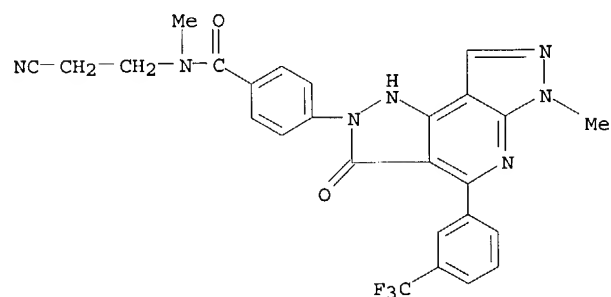
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3-hydroxyphenyl)- (9CI) (CA INDEX NAME)

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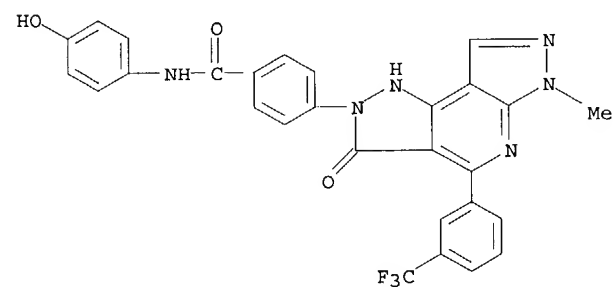
RN 654681-81-9 CAPLUS

CN Benzamide, N-(2-cyanoethyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-methyl- (9CI) (CA INDEX NAME)



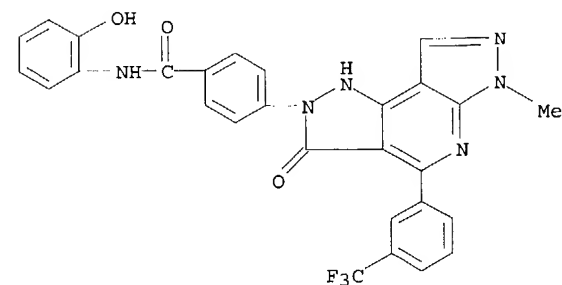
RN 654681-84-2 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 654681-86-4 CAPLUS

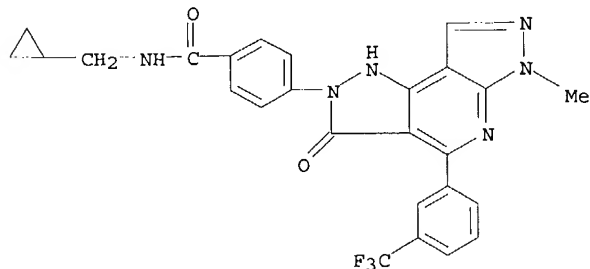
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2-hydroxyphenyl)- (9CI) (CA INDEX NAME)



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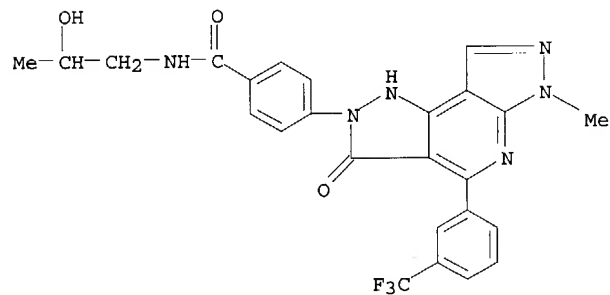
RN 654681-88-6 CAPLUS

CN Benzamide, N-(cyclopropylmethyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
(CA INDEX NAME)



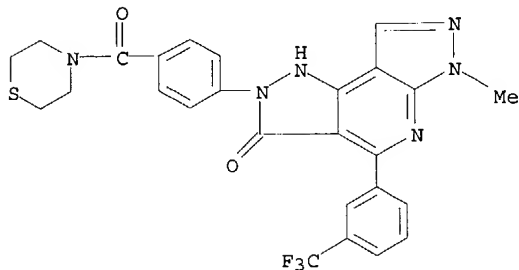
RN 654681-90-0 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2-hydroxypropyl)- (9CI) (CA INDEX NAME)



RN 654681-92-2 CAPLUS

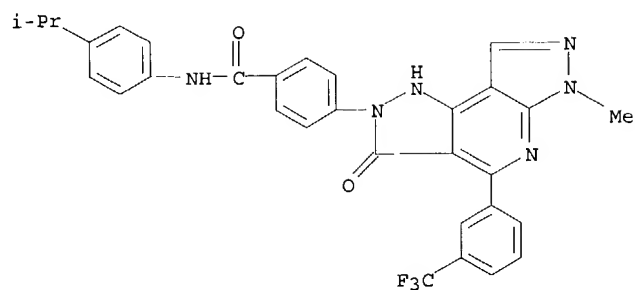
CN Thiomorpholine, 4-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)



RN 654681-94-4 CAPLUS

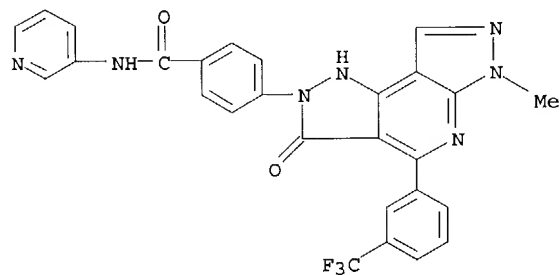
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)

10629227



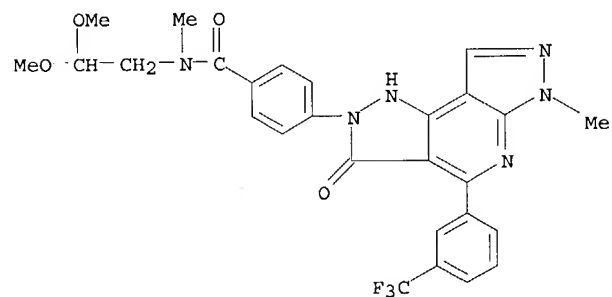
RN 654681-96-6 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 654681-98-8 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2,2-dimethoxyethyl)-N-methyl- (9CI) (CA INDEX NAME)

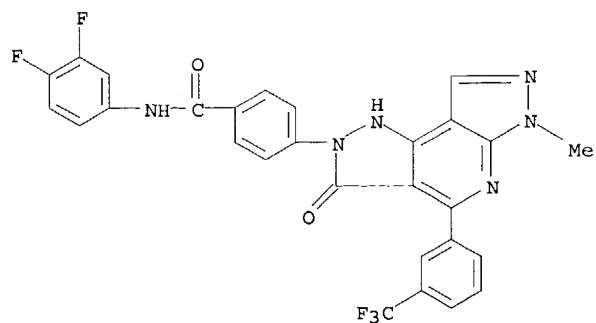


RN 654682-02-7 CAPLUS

CN Benzamide, N-(3,4-difluorophenyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

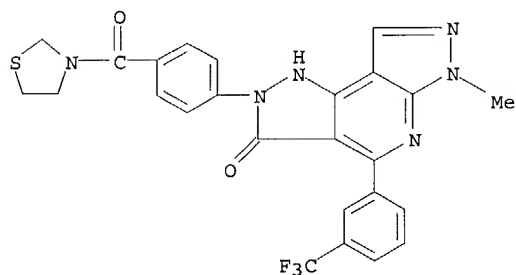


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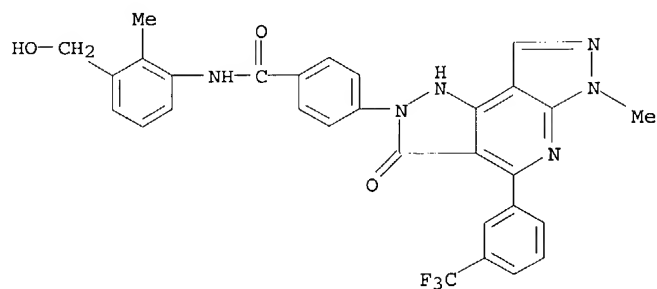
RN 654682-04-9 CAPLUS

CN Thiazolidine, 3-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)



RN 654682-06-1 CAPLUS

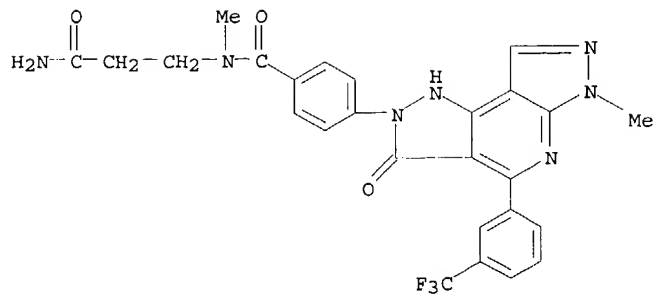
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(hydroxymethyl)-2-methylphenyl]-(9CI) (CA INDEX NAME)



RN 654682-08-3 CAPLUS

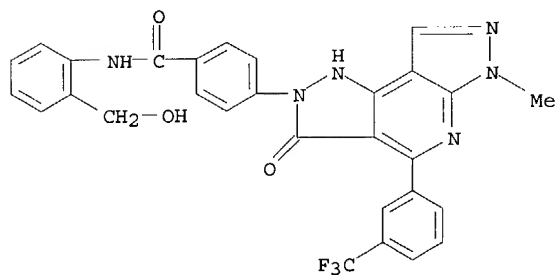
CN Benzamide, N-(3-amino-3-oxopropyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-methyl-(9CI) (CA INDEX NAME)

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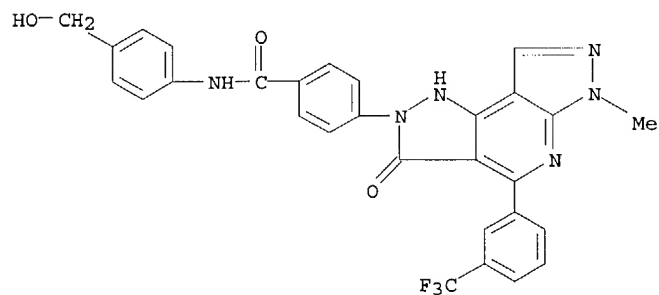
RN 654682-10-7 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[2-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)



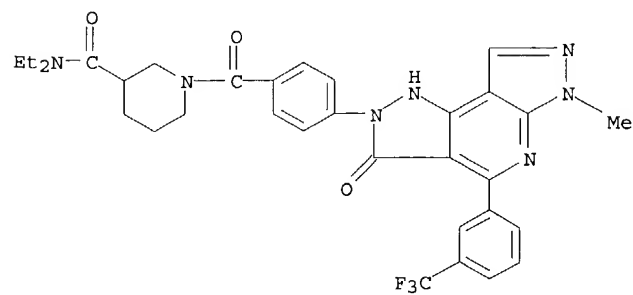
RN 654682-12-9 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[4-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)



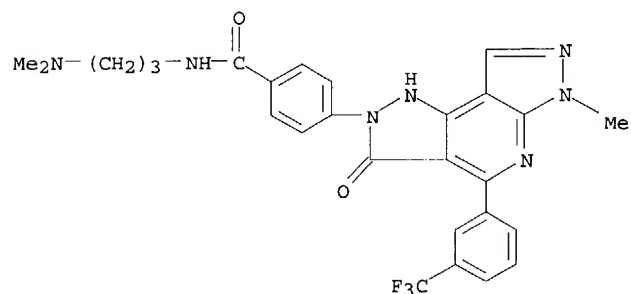
RN 654682-14-1 CAPLUS

CN 3-Piperidinecarboxamide, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-N,N-diethyl- (9CI) (CA INDEX NAME)

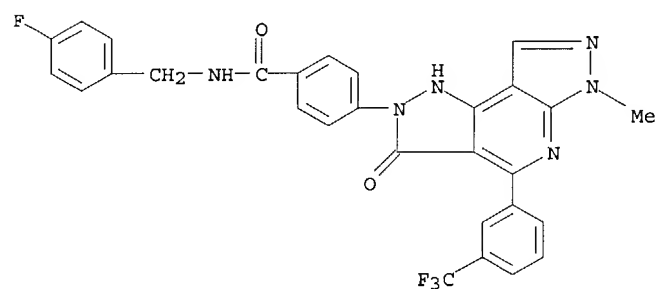


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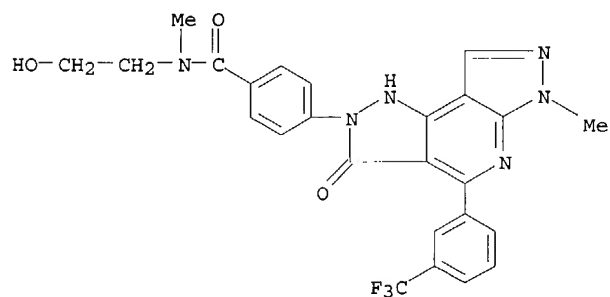
RN 654682-17-4 CAPLUS  
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(dimethylamino)propyl]- (9CI) (CA INDEX NAME)



RN 654682-20-9 CAPLUS  
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(4-fluorophenyl)methyl]- (9CI) (CA INDEX NAME)

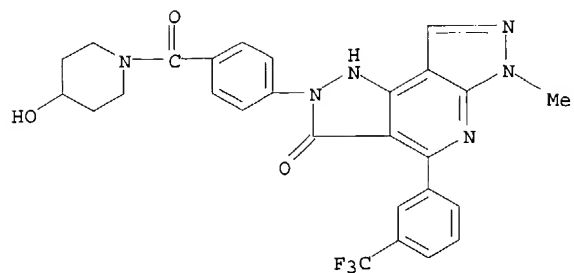


RN 654682-22-1 CAPLUS  
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2-hydroxyethyl)-N-methyl- (9CI) (CA INDEX NAME)

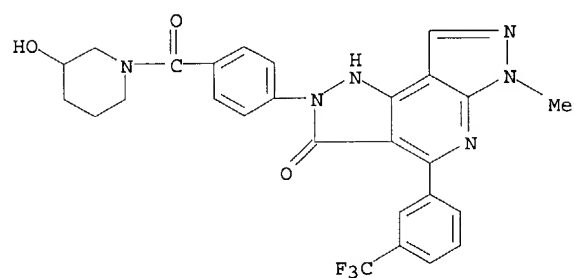


RN 654682-24-3 CAPLUS  
CN 4-Piperidinol, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]- (9CI) (CA INDEX NAME)

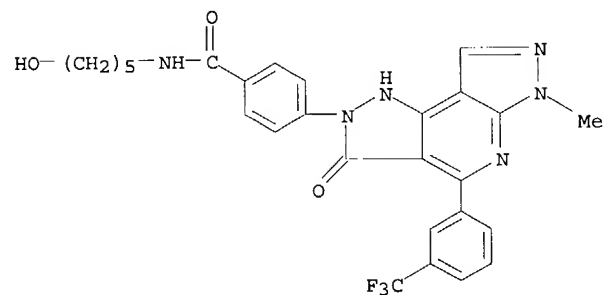
10629227



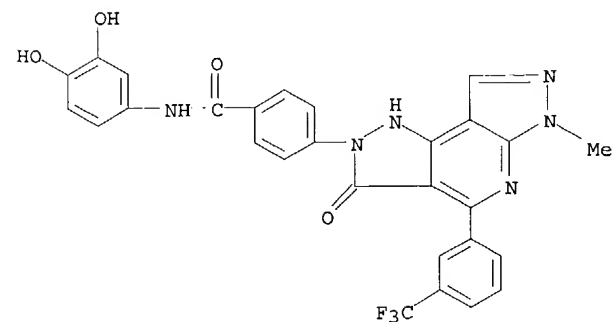
RN 654682-27-6 CAPLUS  
 CN 3-Piperidinol, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)



RN 654682-28-7 CAPLUS  
 CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(5-hydroxypentyl)- (9CI) (CA INDEX NAME)



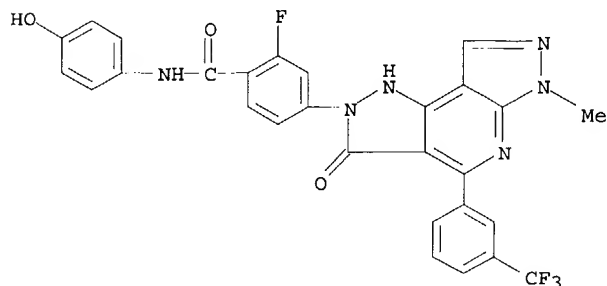
RN 654682-30-1 CAPLUS  
 CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3,4-dihydroxyphenyl)- (9CI) (CA INDEX NAME)



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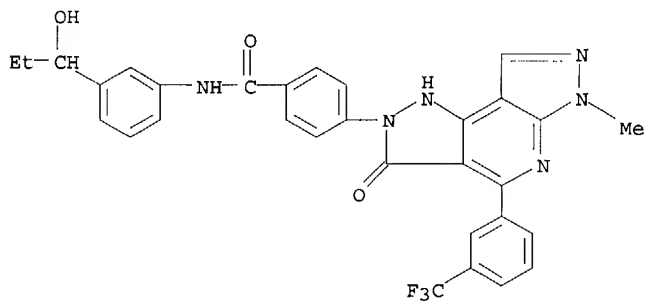
RN 654682-32-3 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



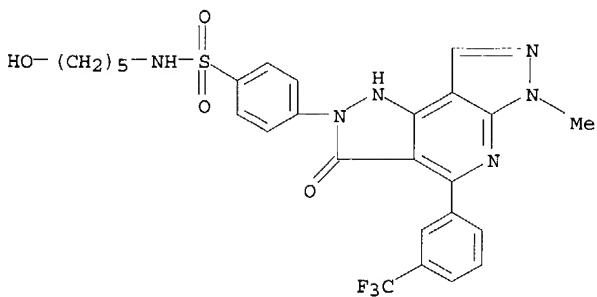
RN 654682-34-5 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(1-hydroxypropyl)phenyl]- (9CI) (CA INDEX NAME)



RN 654682-37-8 CAPLUS

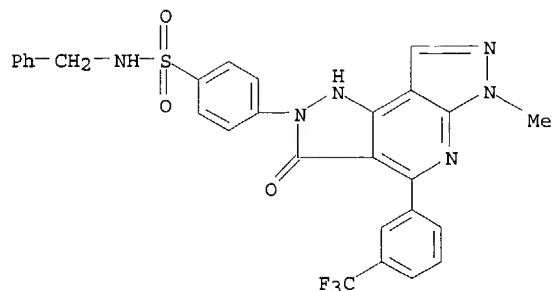
CN Benzenesulfonamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(5-hydroxypentyl)- (9CI) (CA INDEX NAME)



RN 654682-40-3 CAPLUS

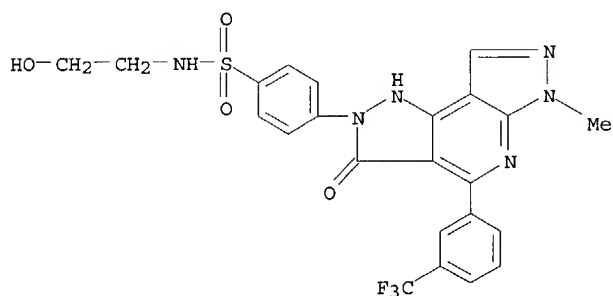
CN Benzenesulfonamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

10629227



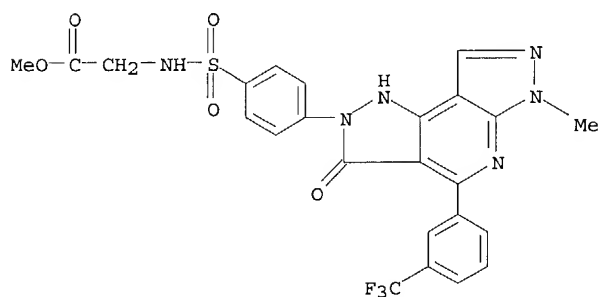
RN 654682-42-5 CAPLUS

CN Benzenesulfonamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



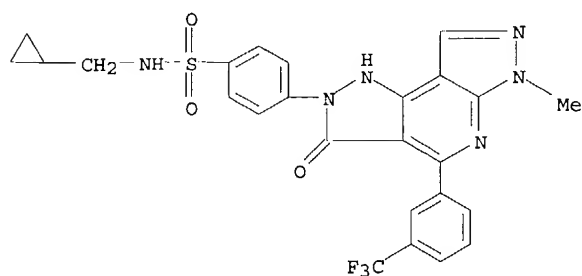
RN 654682-44-7 CAPLUS

CN Glycine, N-[[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]phenyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



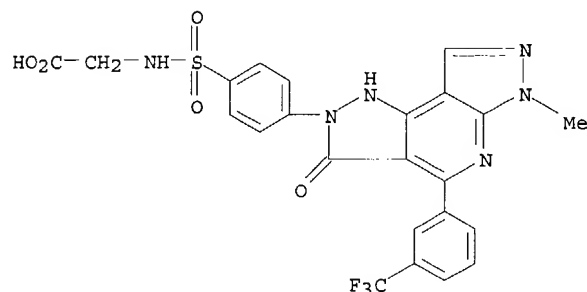
RN 654682-46-9 CAPLUS

CN Benzenesulfonamide, N-(cyclopropylmethyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

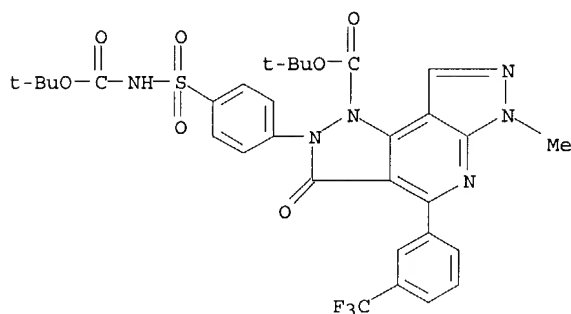


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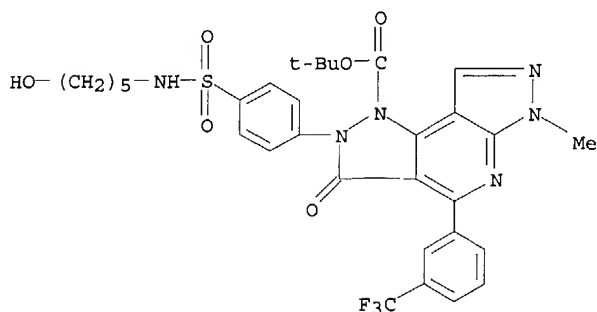
RN 654682-48-1 CAPLUS  
 CN Glycine, N-[[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



IT 654682-52-7P 654682-55-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of dihydrodipyrzolo[3,4-b:3',4'-d]pyridine-1(2H)-carboxylic acid, 2-[4-[[[(1,1-dimethylethoxy)carbonyl]amino]sulfonyl]phenyl]-3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

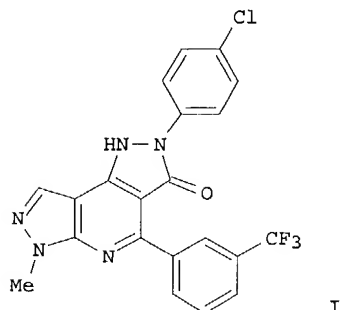


RN 654682-55-0 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridine-1(2H)-carboxylic acid, 3,6-dihydro-2-[4-[[[(5-hydroxypentyl)amino]sulfonyl]phenyl]-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



10629227

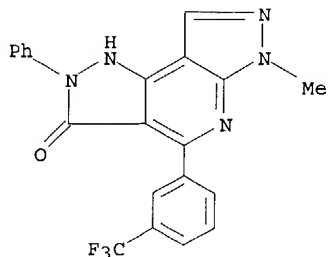
AN 2003:427773 CAPLUS  
DN 140:42073  
TI Structure-activity studies of a series of dipyrzolo[3,4-b:3',4'-d]pyridin-3-ones binding to the immune regulatory protein B7.1  
AU Green, Neal J.; Xiang, Jason; Chen, Jing; Chen, Lihren; Davies, Audrey M.; Erbe, Dave; Tam, Steve; Tobin, James F.  
CS Department of Chemical Sciences, Wyeth Research, Cambridge, MA, 02140, USA  
SO Bioorganic & Medicinal Chemistry (2003), 11(13), 2991-3013  
CODEN: BMECEP; ISSN: 0968-0896  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
GI



AB The interaction of co-stimulatory mols. on T cells with B7 mols. on antigen presenting cells plays an important role in the activation of naive T cells. Consequently, agents that disrupt these interactions should have applications in treatment of transplant rejection as well as autoimmune diseases. To this end, specific small mol. inhibitors of human B7.1 were identified and characterized. Herein, we report the identification of potent small mol. inhibitors of the B7.1-CD28 interaction. In a high-throughput screen we identified several leads that prevented the interaction of B7.1 with CD28 with activities in the nanomolar to low micromolar range. One of these, the dihydrodipyrzolo[3,4-b:3',4'-d]pyridinone I, was subsequently shown to bind the V-like domain of human B7.1 at equimolar stoichiometry. With this as a starting point, we report here the synthesis and initial in vitro structure-activity relationships of a series of these compds.

IT 635324-71-9 635325-69-8 635325-95-0  
RL: PAC (Pharmacological activity); BIOL (Biological study)  
(preparation and structure-activity relationship of a series of dipyrzolo[3,4-b:3',4'-d]pyridin-3-ones as inhibitors of the B7.1-CD28 interaction in T cells)

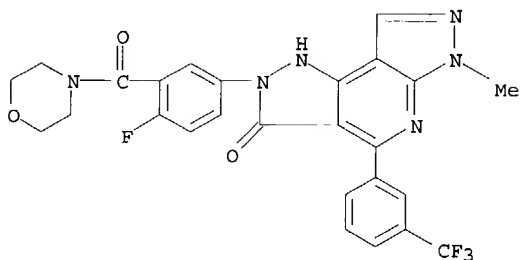
RN 635324-71-9 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-phenyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



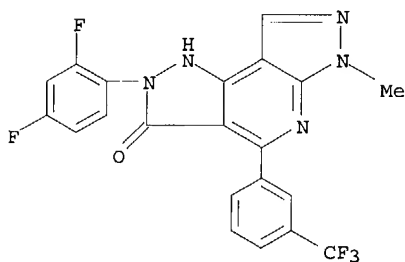
RN 635325-69-8 CAPLUS  
CN Morpholine, 4-[5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluorobenzoyl]- (9CI) (CA INDEX NAME)



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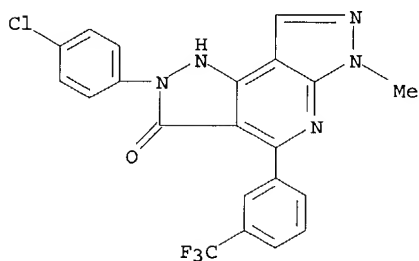
RN 635325-95-0 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(2,4-difluorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



IT 443146-92-7P 635324-87-7P 635324-90-2P  
635324-95-7P 635325-20-1P 635325-21-2P  
635325-27-8P 635325-28-9P 635325-29-0P  
635325-32-5P 635325-35-8P 635325-36-9P  
635325-38-1P  
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

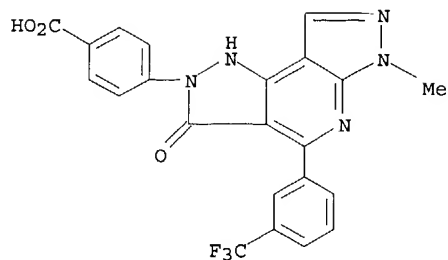
(preparation and structure-activity relationship of a series of dipyrzolo[3,4-b:3',4'-d]pyridin-3-ones as inhibitors of the B7.1-CD28 interaction in T cells)

RN 443146-92-7 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-chlorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



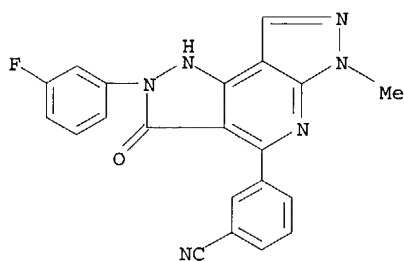
RN 635324-87-7 CAPLUS  
CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

10629227



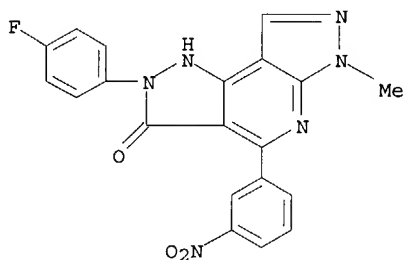
RN 635324-90-2 CAPLUS

CN Benzonitrile, 3-[2-(3-fluorophenyl)-1,2,3,6-tetrahydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-4-yl]- (9CI) (CA INDEX NAME)



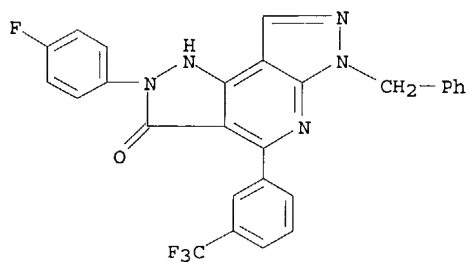
RN 635324-95-7 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 635325-20-1 CAPLUS

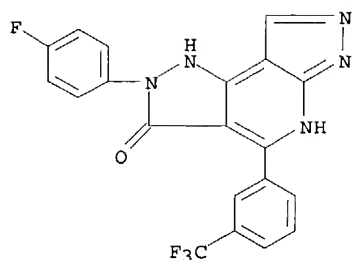
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-6-(phenylmethyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-21-2 CAPLUS

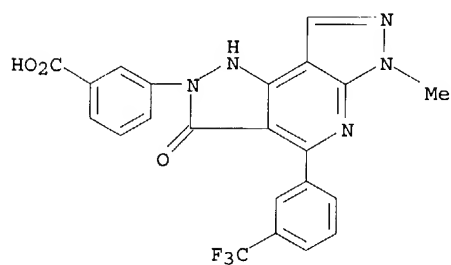
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,5-dihydro-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

10629227



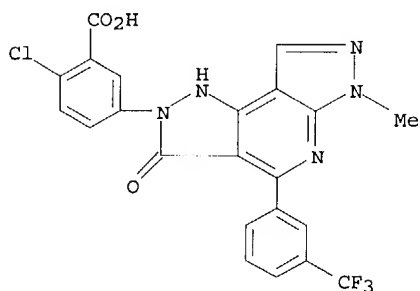
RN 635325-27-8 CAPLUS

CN Benzoic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
(CA INDEX NAME)



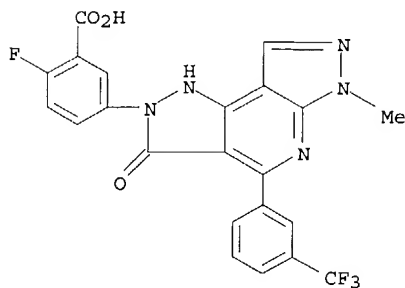
RN 635325-28-9 CAPLUS

CN Benzoic acid, 2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
(CA INDEX NAME)



RN 635325-29-0 CAPLUS

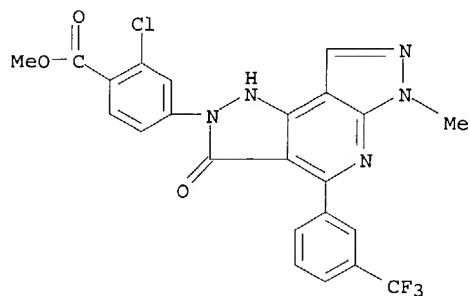
CN Benzoic acid, 5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro- (9CI) (CA INDEX NAME)



10629227

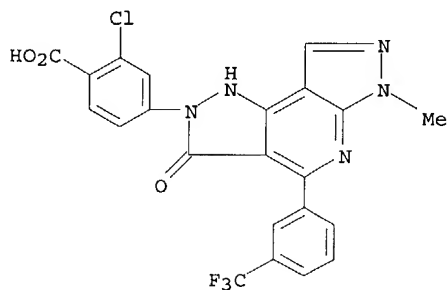
RN 635325-32-5 CAPLUS

CN Benzoic acid, 2-chloro-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, methyl ester (9CI) (CA INDEX NAME)



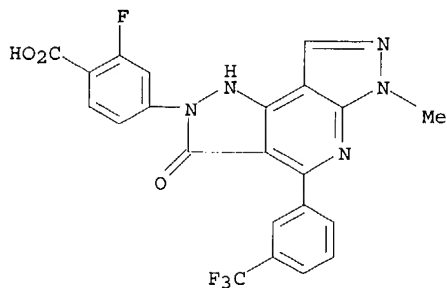
RN 635325-35-8 CAPLUS

CN Benzoic acid, 2-chloro-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)



RN 635325-36-9 CAPLUS

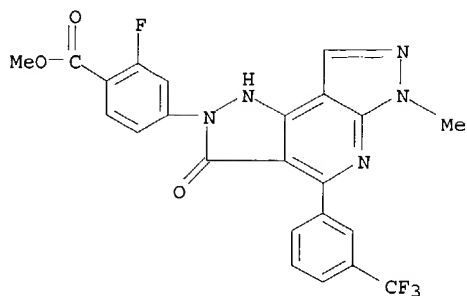
CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro- (9CI) (CA INDEX NAME)



RN 635325-38-1 CAPLUS

CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-, methyl ester (9CI) (CA INDEX NAME)

10629227



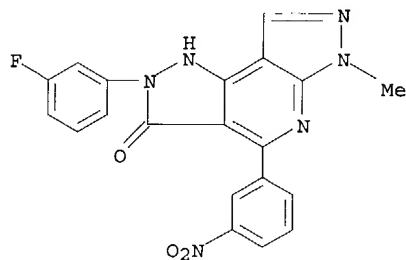
IT 443146-93-8P 635324-72-0P 635324-73-1P  
635324-74-2P 635324-75-3P 635324-76-4P  
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635324-83-3P 635324-84-4P 635324-85-5P  
635324-86-6P 635324-88-8P 635324-91-3P  
635324-92-4P 635324-93-5P 635324-94-6P  
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635325-61-0P 635325-62-1P 635325-63-2P  
635325-64-3P 635325-65-4P 635325-66-5P  
635325-67-6P 635325-68-7P 635325-77-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL  
(Biological study); PREP (Preparation)

(preparation and structure-activity relationship of a series of  
dipyrazolo[3,4-b:3',4'-d]pyridin-3-ones as inhibitors of the B7.1-CD28  
interaction in T cells)

RN 443146-93-8 CAPLUS

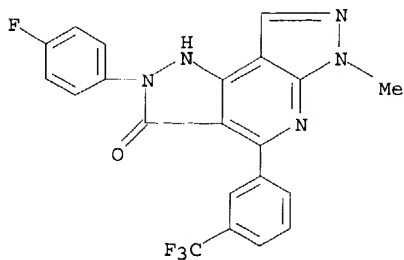
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-  
6-methyl-4-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 635324-72-0 CAPLUS

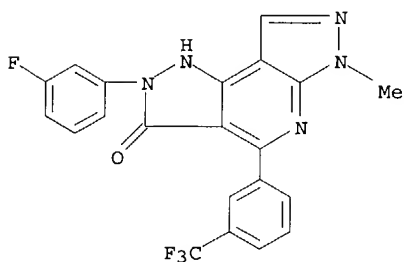
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-  
6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

10629227



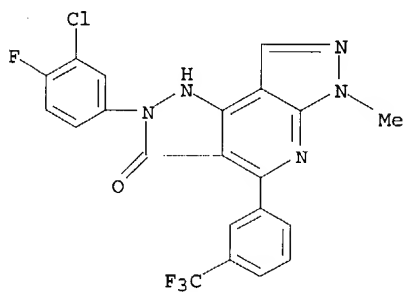
RN 635324-73-1 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



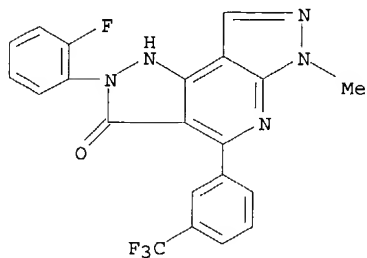
RN 635324-74-2 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-chloro-4-fluorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635324-75-3 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(2-fluorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

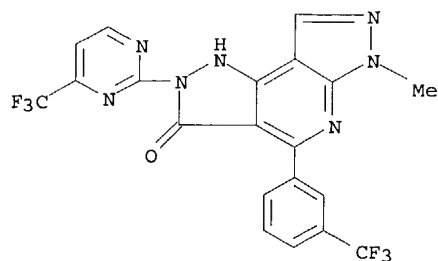


RN 635324-76-4 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-4-[3-

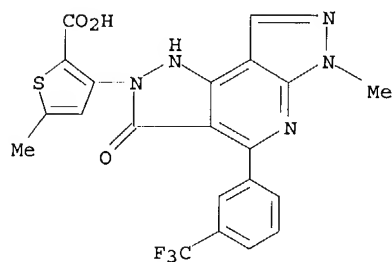
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(trifluoromethyl)phenyl]-2-[4-(trifluoromethyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



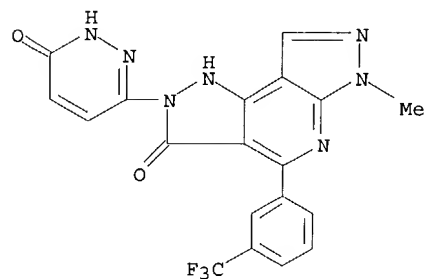
RN 635324-77-5 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-5-methyl- (9CI) (CA INDEX NAME)



RN 635324-79-7 CAPLUS

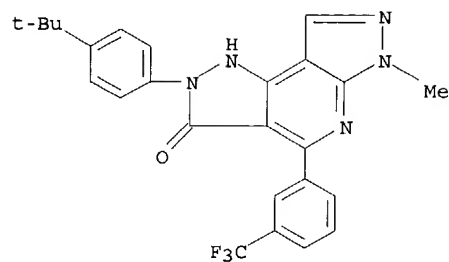
CN Dipyrzazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(1,6-dihydro-6-oxo-3-pyridazinyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



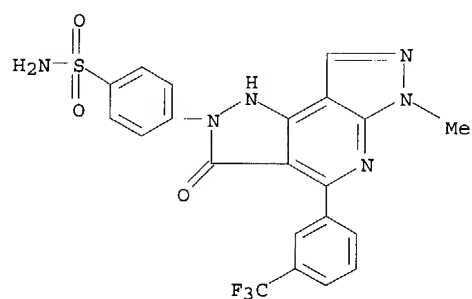
RN 635324-82-2 CAPLUS

CN Dipyrzazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-[4-(1,1-dimethylethyl)phenyl]-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

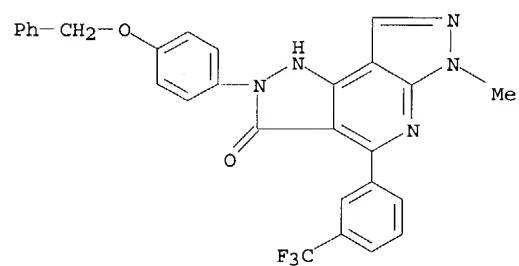
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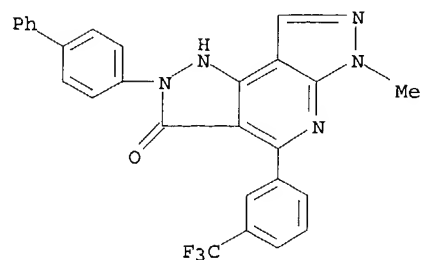
RN 635324-83-3 CAPLUS  
 CN Benzenesulfonamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI)  
 (CA INDEX NAME)



RN 635324-84-4 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-[4-(phenylmethoxy)phenyl]-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635324-85-5 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-[1,1'-biphenyl]-4-yl-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

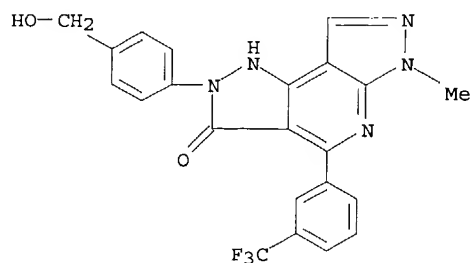




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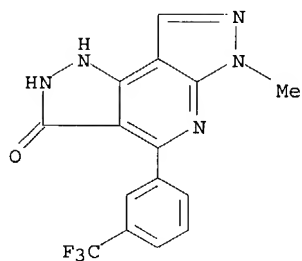
RN 635324-86-6 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-2-[4-(hydroxymethyl)phenyl]-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



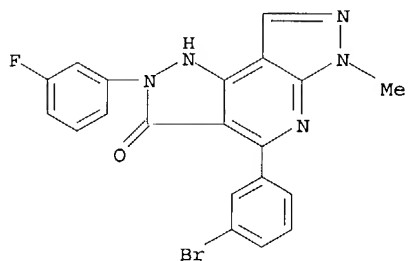
RN 635324-88-8 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



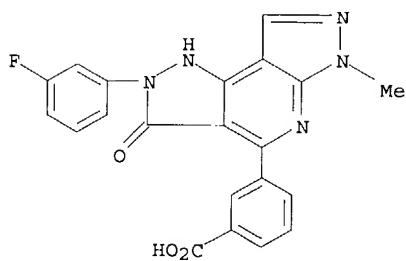
RN 635324-91-3 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3-bromophenyl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



RN 635324-92-4 CAPLUS

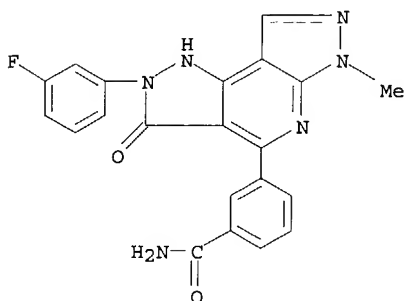
CN Benzoic acid, 3-[2-(3-fluorophenyl)-1,2,3,6-tetrahydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-4-yl]- (9CI) (CA INDEX NAME)



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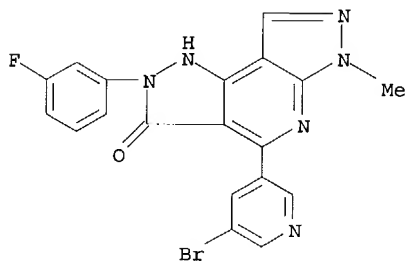
RN 635324-93-5 CAPLUS

CN Benzamide, 3-[2-(3-fluorophenyl)-1,2,3,6-tetrahydro-6-methyl-3-oxodipyrzolo[3,4-b:3',4'-d]pyridin-4-yl]- (9CI) (CA INDEX NAME)



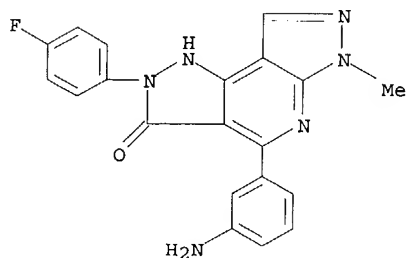
RN 635324-94-6 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(5-bromo-3-pyridinyl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



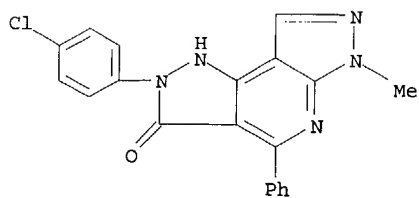
RN 635324-96-8 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3-aminophenyl)-2-(4-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



RN 635324-97-9 CAPLUS

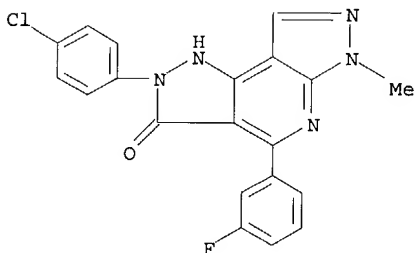
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-chlorophenyl)-1,6-dihydro-6-methyl-4-phenyl- (9CI) (CA INDEX NAME)



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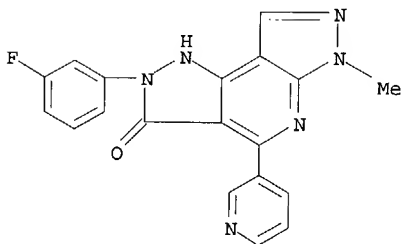
RN 635324-98-0 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-chlorophenyl)-4-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



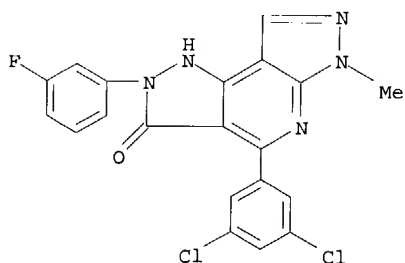
RN 635324-99-1 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-pyridinyl)- (9CI) (CA INDEX NAME)



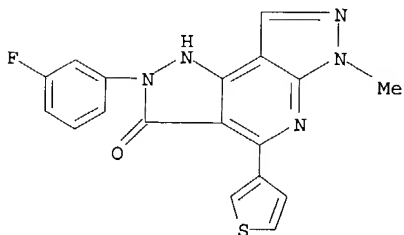
RN 635325-03-0 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(3,5-dichlorophenyl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



RN 635325-05-2 CAPLUS

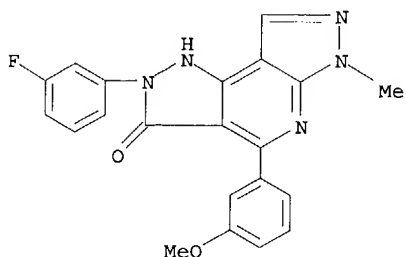
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-thienyl)- (9CI) (CA INDEX NAME)



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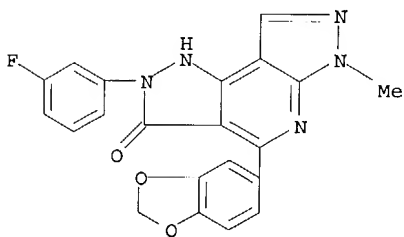
RN 635325-06-3 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-4-(3-methoxyphenyl)-6-methyl- (9CI) (CA INDEX NAME)



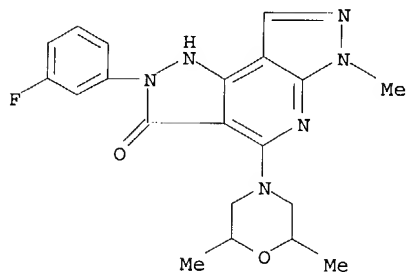
RN 635325-07-4 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(1,3-benzodioxol-5-yl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



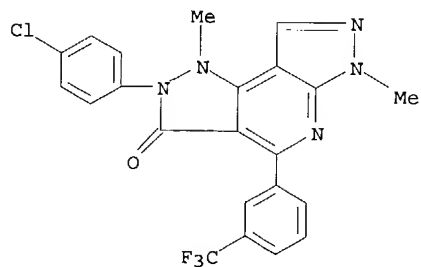
RN 635325-11-0 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 4-(2,6-dimethyl-4-morpholinyl)-2-(3-fluorophenyl)-1,6-dihydro-6-methyl- (9CI) (CA INDEX NAME)



RN 635325-13-2 CAPLUS

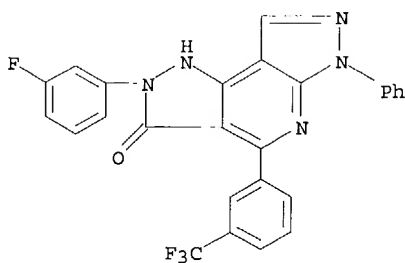
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-chlorophenyl)-1,6-dihydro-1,6-dimethyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-19-8 CAPLUS

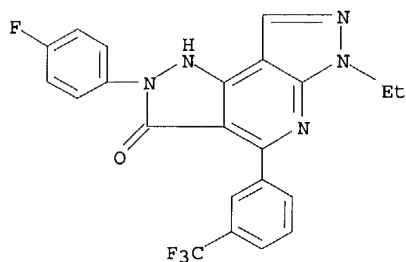
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CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-phenyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



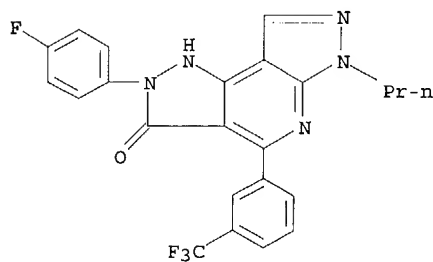
RN 635325-23-4 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-2-(4-fluorophenyl)-1,6-dihydro-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



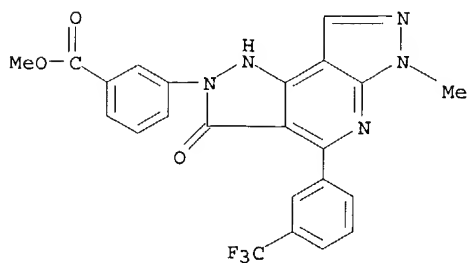
RN 635325-25-6 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,6-dihydro-6-propyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-30-3 CAPLUS

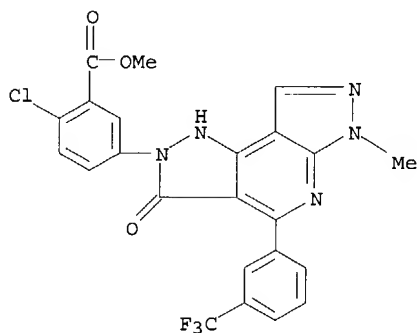
CN Benzoic acid, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, methyl ester (9CI) (CA INDEX NAME)



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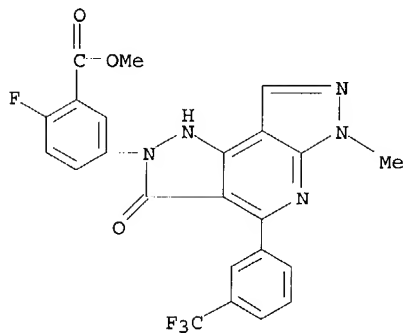
RN 635325-31-4 CAPLUS

CN Benzoic acid, 2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, methyl ester (9CI) (CA INDEX NAME)



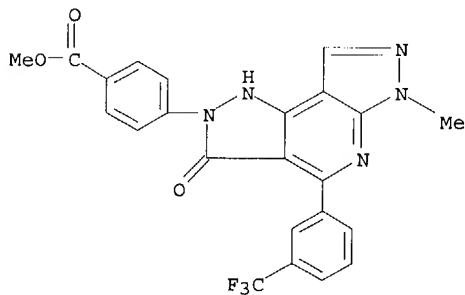
RN 635325-34-7 CAPLUS

CN Benzoic acid, 5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-, methyl ester (9CI) (CA INDEX NAME)



RN 635325-37-0 CAPLUS

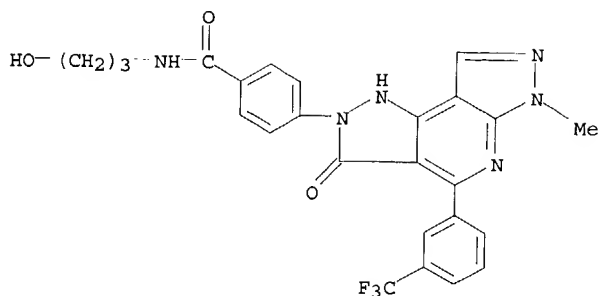
CN Benzoic acid, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-, methyl ester (9CI) (CA INDEX NAME)



RN 635325-39-2 CAPLUS

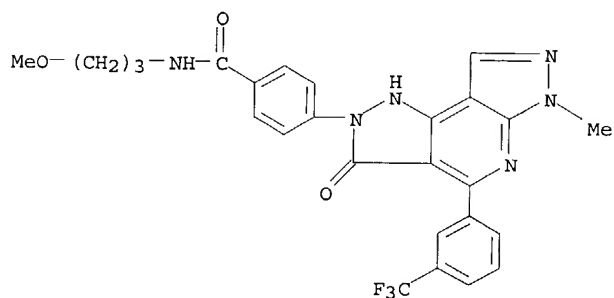
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3-hydroxypropyl)- (9CI) (CA INDEX NAME)

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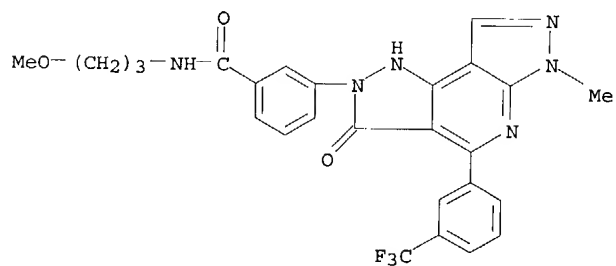
RN 635325-40-5 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3-methoxypropyl)- (9CI) (CA INDEX NAME)



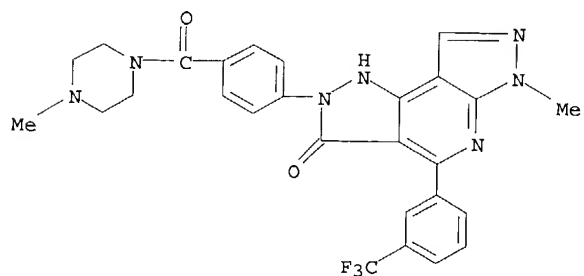
RN 635325-41-6 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(3-methoxypropyl)- (9CI) (CA INDEX NAME)



RN 635325-42-7 CAPLUS

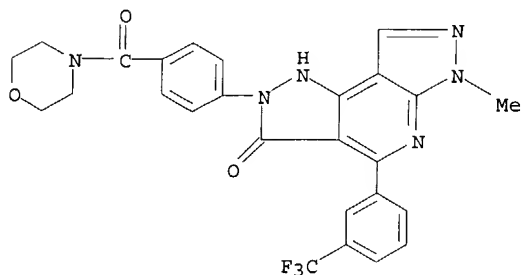
CN Piperazine, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-4-methyl- (9CI) (CA INDEX NAME)



10629227

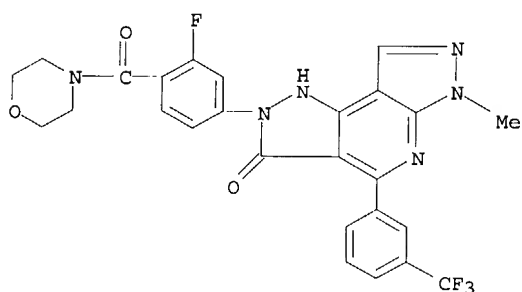
RN 635325-43-8 CAPLUS

CN Morpholine, 4-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)



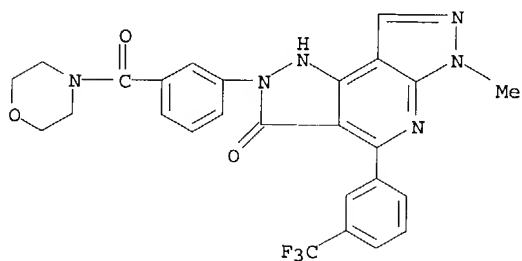
RN 635325-44-9 CAPLUS

CN Morpholine, 4-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluorobenzoyl]-(9CI) (CA INDEX NAME)



RN 635325-45-0 CAPLUS

CN Morpholine, 4-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

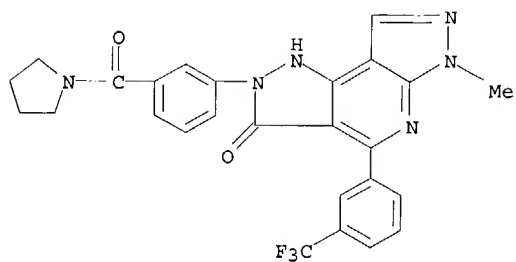


RN 635325-46-1 CAPLUS

CN Pyrrolidine, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

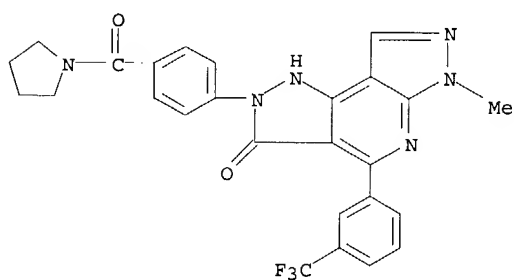


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RN 635325-47-2 CAPLUS

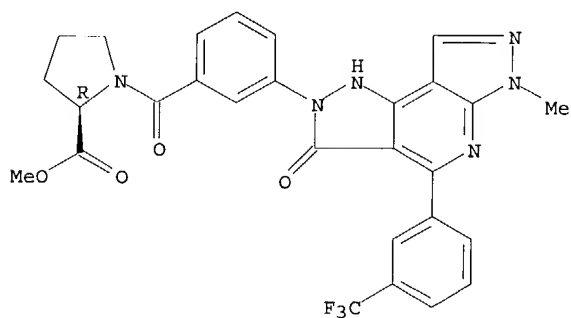
CN Pyrrolidine, 1-[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)



RN 635325-48-3 CAPLUS

CN D-Proline, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

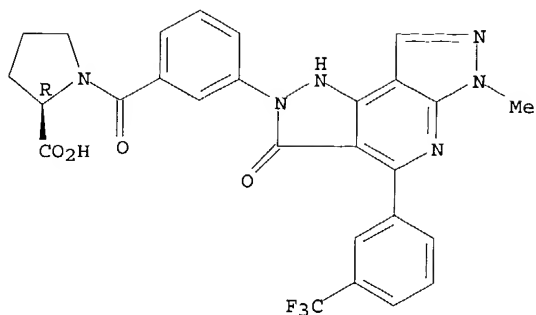


RN 635325-49-4 CAPLUS

CN D-Proline, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

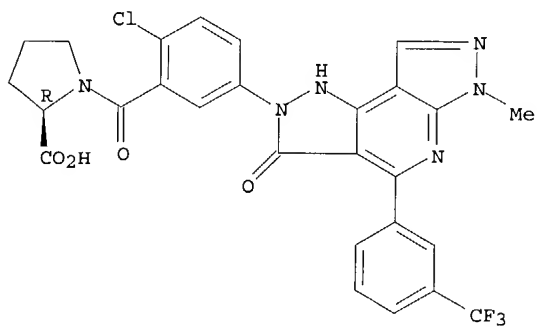
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RN 635325-50-7 CAPLUS

CN D-Proline, 1-[2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

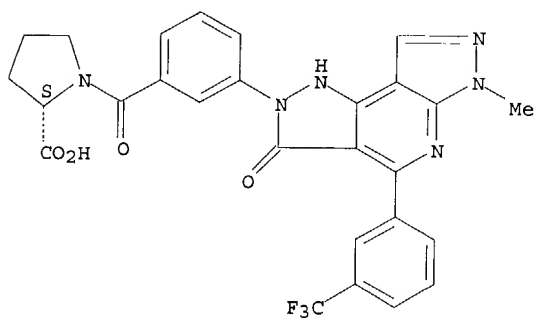
Absolute stereochemistry.



RN 635325-51-8 CAPLUS

CN L-Proline, 1-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-(9CI) (CA INDEX NAME)

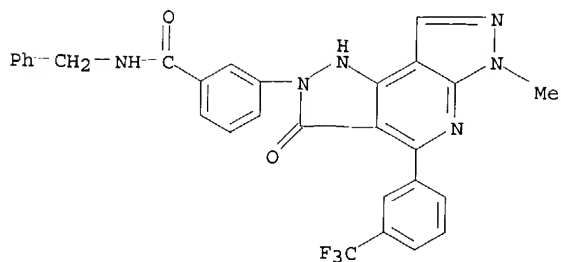
Absolute stereochemistry.



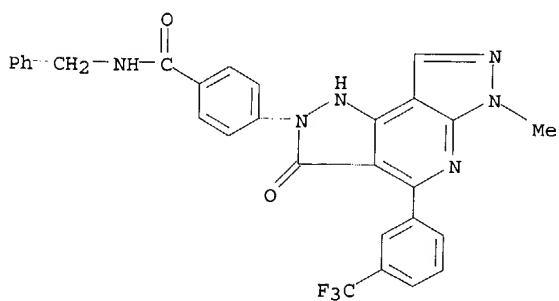
RN 635325-52-9 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(phenylmethyl)-(9CI) (CA INDEX NAME)

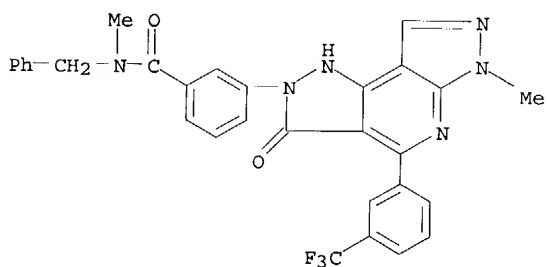
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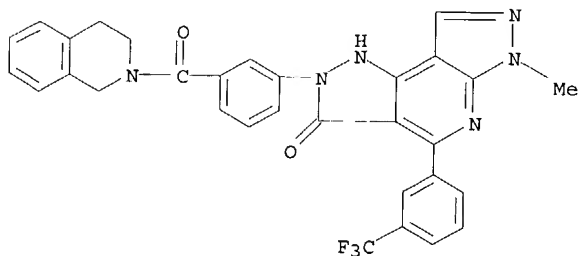
RN 635325-53-0 CAPLUS  
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 635325-54-1 CAPLUS  
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



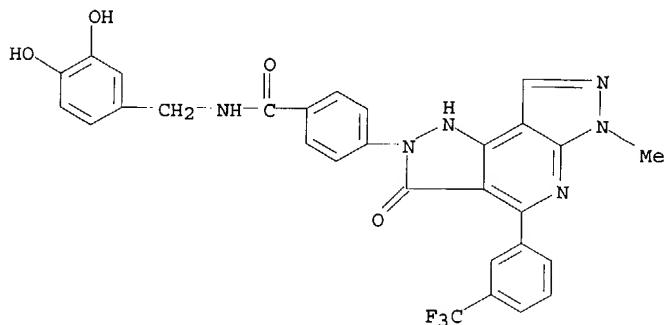
RN 635325-55-2 CAPLUS  
CN Isoquinoline, 2-[3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrazolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



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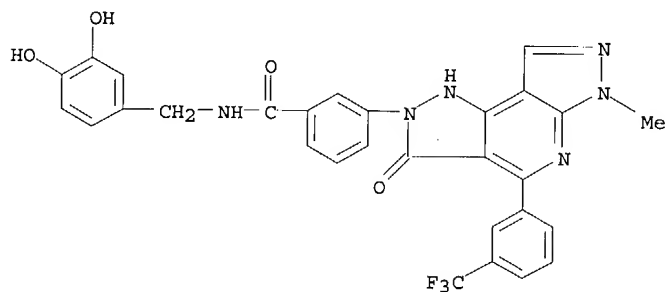
RN 635325-56-3 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(3,4-dihydroxyphenyl)methyl]- (9CI) (CA INDEX NAME)



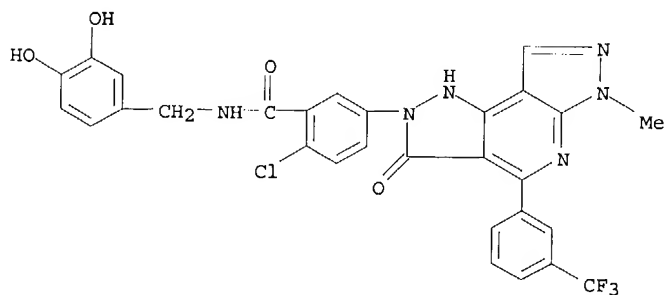
RN 635325-57-4 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(3,4-dihydroxyphenyl)methyl]- (9CI) (CA INDEX NAME)



RN 635325-58-5 CAPLUS

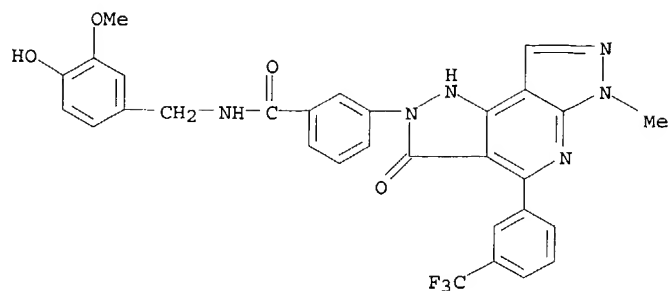
CN Benzamide, 2-chloro-5-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(3,4-dihydroxyphenyl)methyl]- (9CI) (CA INDEX NAME)



RN 635325-59-6 CAPLUS

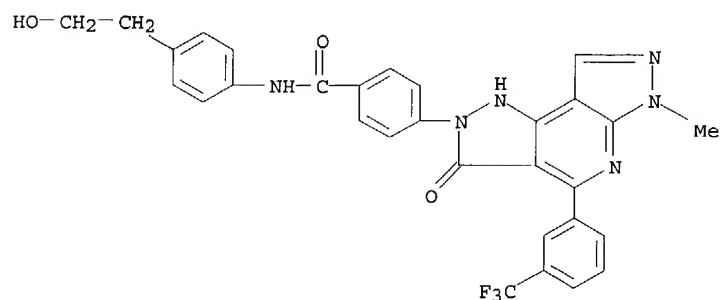
CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[(4-hydroxy-3-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)

10629227



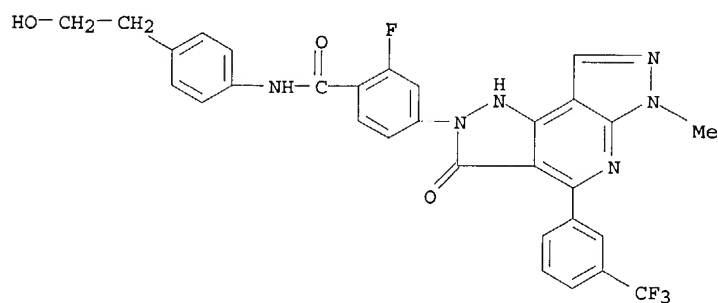
RN 635325-60-9 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[4-(2-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



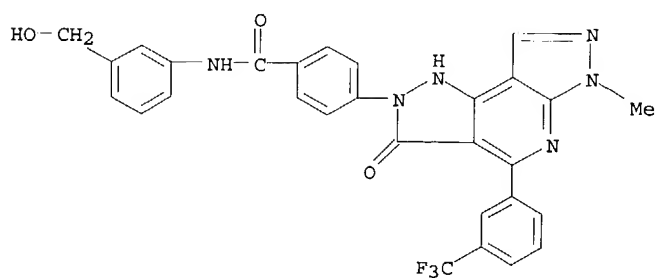
RN 635325-61-0 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-2-fluoro-N-[4-(2-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-62-1 CAPLUS

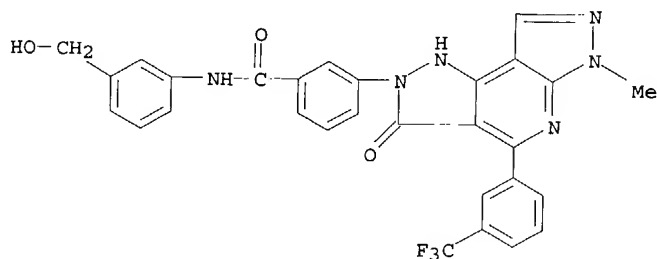
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)



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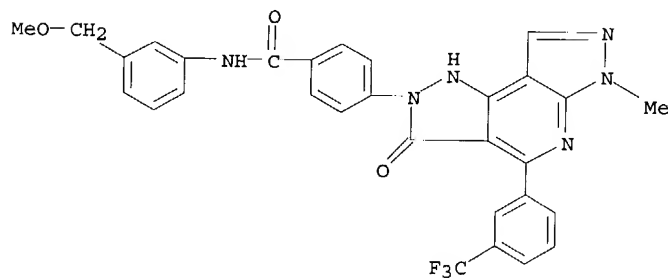
RN 635325-63-2 CAPLUS

CN Benzamide, 3-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(hydroxymethyl)phenyl]- (9CI) (CA INDEX NAME)



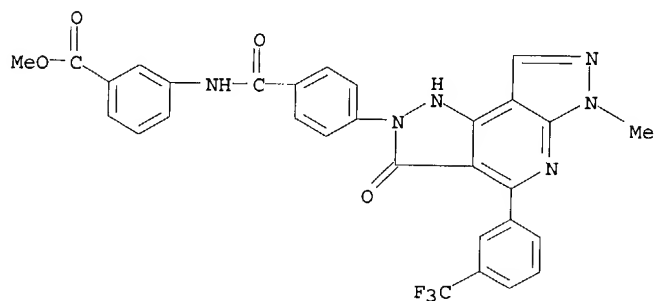
RN 635325-64-3 CAPLUS

CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(methoxymethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-65-4 CAPLUS

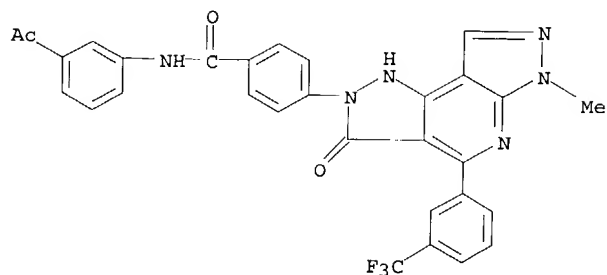
CN Benzoic acid, 3-[[4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]benzoyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



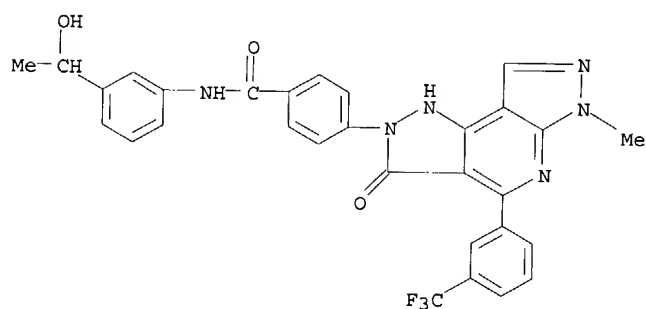
RN 635325-66-5 CAPLUS

CN Benzamide, N-(3-acetylphenyl)-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]- (9CI) (CA INDEX NAME)

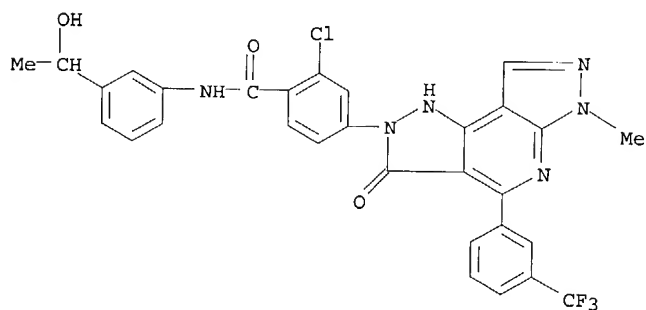
10629227



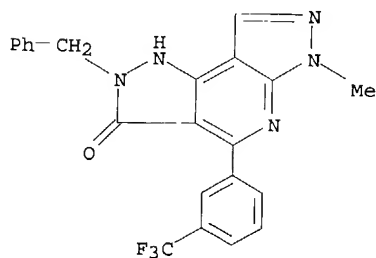
RN 635325-67-6 CAPLUS  
CN Benzamide, 4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(1-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-68-7 CAPLUS  
CN Benzamide, 2-chloro-4-[3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]dipyrzolo[3,4-b:3',4'-d]pyridin-2(1H)-yl]-N-[3-(1-hydroxyethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 635325-77-8 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-2-(phenylmethyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



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IT 635324-89-9P 635325-09-6P 635325-22-3P

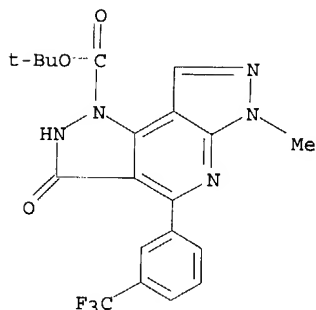
635325-24-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and structure-activity relationship of a series of dipyrzolo[3,4-b:3',4'-d]pyridin-3-ones as inhibitors of the B7.1-CD28 interaction in T cells)

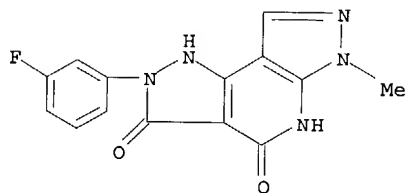
RN 635324-89-9 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridine-1(2H)-carboxylic acid, 3,6-dihydro-6-methyl-3-oxo-4-[3-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



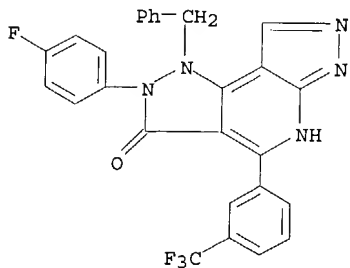
RN 635325-09-6 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridine-3,4-dione, 2-(3-fluorophenyl)-1,2,5,6-tetrahydro-6-methyl- (9CI) (CA INDEX NAME)



RN 635325-22-3 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-fluorophenyl)-1,5-dihydro-1-(phenylmethyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

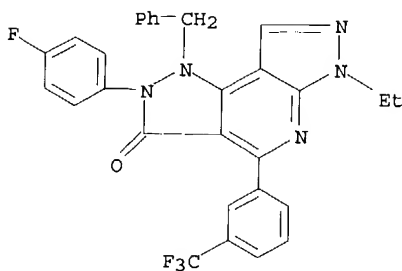


RN 635325-24-5 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-2-(4-fluorophenyl)-1,6-dihydro-1-(phenylmethyl)-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

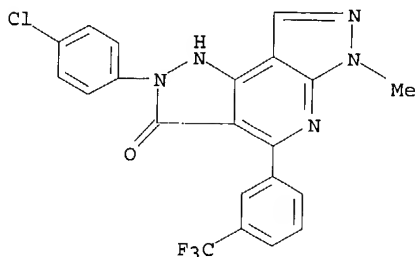


10629227

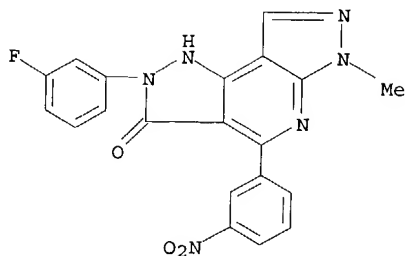


RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:209621 CAPLUS  
DN 137:103581  
TI Small molecule ligands define a binding site on the immune regulatory protein B7.1  
AU Erbe, David V.; Wang, Suyue; Xing, Yuzhe; Tobin, James F.  
CS Wyeth Research, Cambridge, MA, 02140, USA  
SO Journal of Biological Chemistry (2002), 277(9), 7363-7368  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
AB The interaction of co-stimulatory mols. on T cells with B7 mols. on antigen presenting cells plays an important role in the activation of naive T cells. Consequently, agents that disrupt these interactions should have applications in treatment of transplant rejection as well as autoimmune diseases. To this end, specific small mol. inhibitors of human B7.1 were identified and characterized. These compds. inhibit the binding of B7.1 to both CD28 and CTLA4. Both classes of compds. appear to bind the same site, a relatively small portion of the GFCC'C' face of the N-terminal V-set domain of human B7.1, not present in the homologous B7.2 or even mouse B7.1. This site may represent a rare hot spot for small mol. antagonist design of inhibitors of cell-cell interactions, whose ligands may yield leads for the development of novel immunomodulatory medicines.  
IT 443146-92-7 443146-93-8  
RL: PAC (Pharmacological activity); BIOL (Biological study)  
(small mol. ligands define a binding site on the immune regulatory protein B7.1)  
RN 443146-92-7 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(4-chlorophenyl)-1,6-dihydro-6-methyl-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

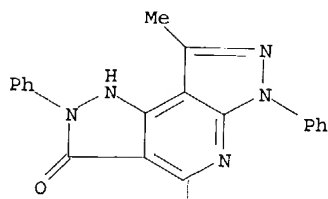


RN 443146-93-8 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 2-(3-fluorophenyl)-1,6-dihydro-6-methyl-4-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



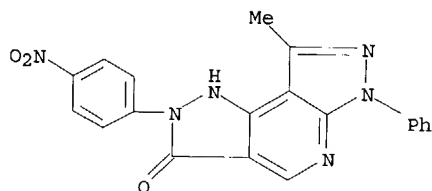
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1998:131636 CAPLUS  
DN 128:192869  
TI Synthesis of  $\beta$ -D-ribonucleosides derived from dipyrazolo[3,4-b:3'4'-d]pyridin-3-one system  
AU Bernardino, Alice M. R.; Nogueira, Christiane M.; de O. Lepesch, Carla M.; Gomes, Claudia R. B.; Schmitz, Francis J.; Romeiro, Gilberto A.; de S. Pereira, Helena; de P. P. Frughlhetti, Isabel C.; de Oliveira, Mara R. P.; de Souza, maria C. B. V.; Lee, Marietta Y. W. T.; Chaves, Salma A.; Ferreira, Vitor F.  
CS Departamento de Quimica Organica, Instituto de Quimica, Universidade Federal Fluminense, Niteroi, 24020-150, Brazil  
SO Heterocyclic Communications (1997), 3(6), 527-534  
CODEN: HCOMEX; ISSN: 0793-0283  
PB Freund Publishing House Ltd.  
DT Journal  
LA English  
AB The new ribonucleosides 8-methyl-2,6-diphenyl-5-(2,3,5-tri-O-benzoyl- $\beta$ -D-ribofuranosyl)-2H,6H-dipyrazolo[3,4-b:3'4'-d]pyridin-3(5H)-one and 8-methyl-2-(p-nitrophenyl)-6-phenyl-5-(2,3,5-tri-O-benzoyl- $\beta$ -D-ribofuranosyl)-2H,6H-dipyrazolo[3,4-b:3'4'-d]pyridin-3(5H)-one were prepared from stannic chloride-catalyzed ribosylations of the corresponding heterocycles. Attempts of de-O-benzoylation failed to give the free ribosides. The effect of these compds. on the catalytic activities of reverse transcriptase from recombinant immunodeficiency virus type 1 was evaluated. Some compds. inhibited the RNA dependent DNA polymerase activity of the enzyme by more than 50% at a concentration of 70  $\mu$ M. In contrast, human placental DNA polymerase activities  $\alpha$  and  $\epsilon$  were unaffected by this concentration. The structures of the nucleosides are supported by 1D and 2D-NMR techniques (nOdes, HMBC and HMQC expts.).  
IT 81153-40-4P 203719-80-6P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (preparation of ribonucleosides derived from a dipyrazolopyridinone system)  
RN 81153-40-4 CAPLUS  
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-8-methyl-2,6-diphenyl- (9CI) (CA INDEX NAME)



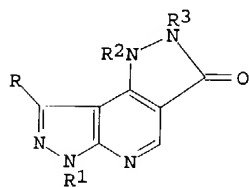
- RN 203719-80-6 CAPLUS  
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-8-methyl-2-(4-nitrophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

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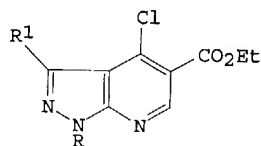


RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1982:142751 CAPLUS  
DN 96:142751  
TI Tricyclic heteroatomic ring systems. III. Synthesis of  
1H,6H-dipyrzolo[3,4-b:3',4'-d]pyridin-3-ones  
AU Khan, Misbahul A.; Pedrotti, Francisco  
CS Secao Quim., Inst. Mil. Eng., Rio de Janeiro, 22290, Brazil  
SO Monatshefte fuer Chemie (1982), 113(1), 123-7  
CODEN: MOCMB7; ISSN: 0026-9247  
DT Journal  
LA English  
OS CASREACT 96:142751  
GI

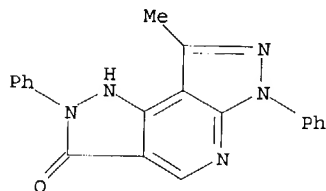


I



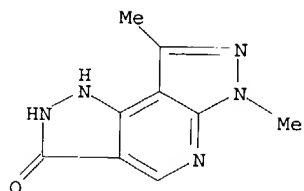
II

AB The title compds. I (R = R1 = Me, Ph; R = Me, R1 = Ph; R = Ph, R1 = Me; R2, R3 = H, Me, Ph) were prepared in 17-96% yield by cyclization of the pyrazolopyrimidines II with hydrazines.  
IT 81153-40-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and ring cleavage of)  
RN 81153-40-4 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-8-methyl-2,6-diphenyl- (9CI) (CA INDEX NAME)



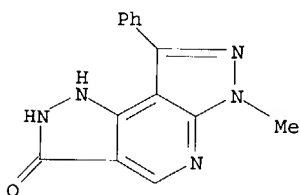
IT 81153-31-3P 81153-32-4P 81153-33-5P  
81153-34-6P 81153-35-7P 81153-36-8P  
81153-37-9P 81153-38-0P 81153-39-1P  
81153-41-5P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 81153-31-3 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6,8-dimethyl- (9CI) (CA INDEX NAME)

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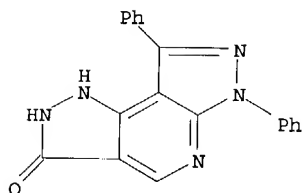
RN 81153-32-4 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-methyl-8-phenyl-  
(9CI) (CA INDEX NAME)



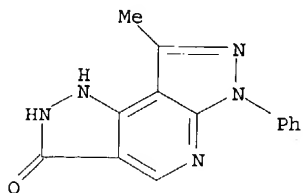
RN 81153-33-5 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6,8-diphenyl-  
(9CI) (CA INDEX NAME)



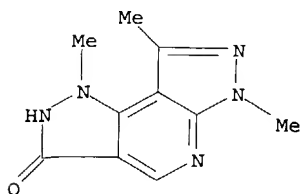
RN 81153-34-6 CAPLUS

CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-8-methyl-6-phenyl-  
(9CI) (CA INDEX NAME)



RN 81153-35-7 CAPLUS

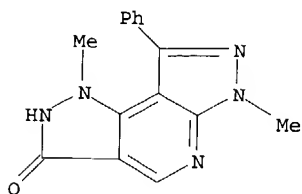
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1,6,8-trimethyl-  
(9CI) (CA INDEX NAME)



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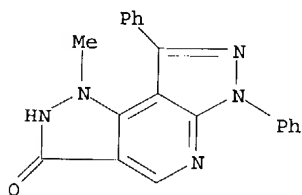
RN 81153-36-8 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1,6-dimethyl-8-phenyl- (9CI) (CA INDEX NAME)



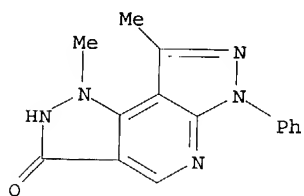
RN 81153-37-9 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1-methyl-6,8-diphenyl- (9CI) (CA INDEX NAME)



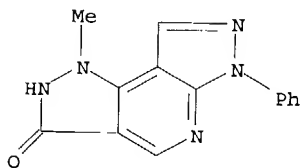
RN 81153-38-0 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1,8-dimethyl-6-phenyl- (9CI) (CA INDEX NAME)



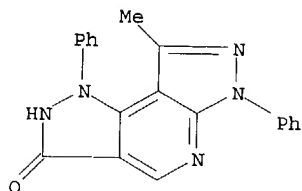
RN 81153-39-1 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1-methyl-6-phenyl- (9CI) (CA INDEX NAME)

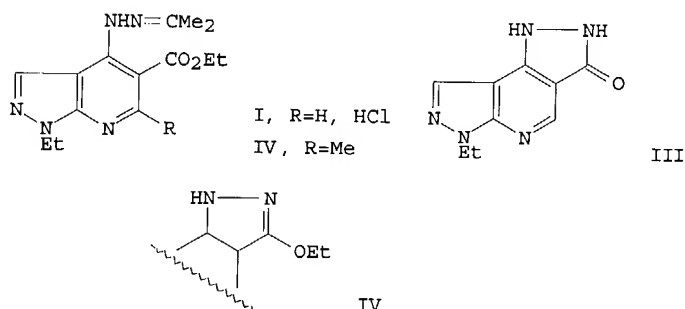


RN 81153-41-5 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-8-methyl-1,6-diphenyl- (9CI) (CA INDEX NAME)

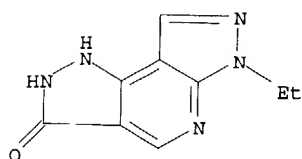


L4 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1978:517633 CAPLUS  
 DN 89:117633  
 TI Hydrolysis and subsequent cyclization of etazolate hydrochloride and related compounds in aqueous solutions: application of PMR and mass spectrometry in accelerated stability studies  
 AU Puar, Mohindar S.; Funke, Phillip T.; Cohen, Allen I.  
 CS Squibb Inst. Med. Res., Princeton, NJ, USA  
 SO Journal of Pharmaceutical Sciences (1978), 67(6), 850-3  
 CODEN: JPMSAE; ISSN: 0022-3549  
 DT Journal  
 LA English  
 GI



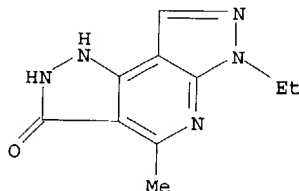
AB The hydrolysis of etazolate-HCl (I) [35838-58-5], an inhibitor of cyclic nucleotide 3',5'-monophosphate phosphodiesterase that degrades cyclic adenosine 3',5'-monophosphate (cyclic AMP) to AMP, and related compds. was studied by PMR and mass spectrometry. The compds. underwent reversible acid-catalyzed hydrolysis in aqueous solns. at 60°, followed by cyclization to a major and a minor product formed by independent pathways. Under the exptl. conditions, the minor product was stable. The formation rate of the major product 6-ethyl-1,6-dihydrodipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)ione (II) [37649-55-1], was considerably greater than that of the minor component, 3-ethoxy-6-ethyl-1,6-dihydrodipyrzolo[3,4-b:3',4'-d]pyridine (III) [51700-83-5]. For the 6-Me analog (IV) [67324-49-6] of etazolate, the rate of Me deuteration was considerably slower than the rate of cyclization.

IT 37649-55-1  
 RL: BIOL (Biological study)  
 (etazolate hydrolysis-cyclization product)  
 RN 37649-55-1 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro- (9CI)  
 (CA INDEX NAME)



10629227

IT 67324-47-4  
RL: BIOL (Biological study)  
(methyletazolate hydrolysis-cyclization product)  
RN 67324-47-4 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-4-methyl-  
(9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1974:108514 CAPLUS  
DN 80:108514  
TI Dipyrzolo[3,4-b:3'4'-d]pyridine derivatives and their salts  
IN Hoehn, Hans; Denzel, Theodor  
PA Chemische Fabrik von Heyden G.m.b.H.  
SO Ger. Offen., 37 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2333603	A1	19740131	DE 1973-2333603	19730702
	US 3787430	A	19740122	US 1972-271477	19720713
	FR 2192831	A1	19740215	FR 1973-25831	19730713
	JP 49051300	A2	19740518	JP 1973-79725	19730713
PRAI	US 1972-271477		19720713		

GI For diagram(s), see printed CA Issue.

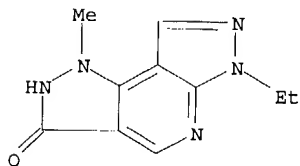
AB Tranquilizing and antiasthmatic dipyrzolopyridines I (R = H, Me, Et, CH<sub>2</sub>Ph, CH<sub>2</sub>CH<sub>2</sub>CHMe<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>NMe<sub>2</sub>, COC<sub>6</sub>H<sub>4</sub>Cl-p; R<sub>1</sub> = Ph, Me, NH<sub>2</sub>, OEt, OMe, OH, OCH<sub>2</sub>CH<sub>2</sub>CHMe<sub>2</sub>; R<sub>2</sub> = Et, CH<sub>2</sub>Ph) were prepared. Thus, 5-amino-1-ethylpyrazole was cyclized with EtOCH:C(COPh)CO<sub>2</sub>Et to give 5-benzoyl-1-ethyl-4-hydroxy-1H-pyrazolo[3,4-b]pyridine, which was chlorinated and cyclized with N<sub>2</sub>H<sub>4</sub> to I (R = H, R<sub>1</sub> = Ph, R<sub>2</sub> = Et). Treatment with Cl(CH<sub>2</sub>)<sub>3</sub>NMe<sub>2</sub> gave I (R = (CH<sub>2</sub>)<sub>3</sub>NMe<sub>2</sub>, R<sub>1</sub> = Ph, R<sub>2</sub> = Et).

IT 37649-62-0P 51700-79-9P 51700-81-3P  
51700-84-6P 51700-85-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and alkylation of)

RN 37649-62-0 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-methyl-  
(9CI) (CA INDEX NAME)



RN 51700-79-9 CAPLUS

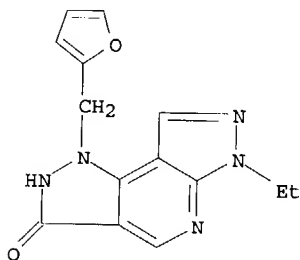
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-,  
monopotassium salt (9CI) (CA INDEX NAME)

CC1=NC2=CC=C3C(=C2N1)C(=O)NC3

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RN      51700-81-3  CAPLUS
CN      Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1-(2-furanylmethyl)-
        1,6-dihydro- (9CI) (CA INDEX NAME)

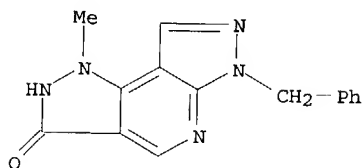
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CC1=CN2C(=C(C=C1)C(=O)NC2=O)C3=CC(=CN3)CCC1=NC2=C(N1)C(=C(C=C2)C)C(=O)N(C2=CC=CC=C2)CC2

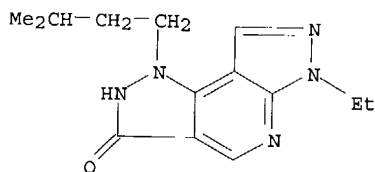
IT 37649-63-1P 51700-88-0P 51700-90-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37649-63-1 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1-methyl-6-  
 (phenylmethyl)- (9CI) (CA INDEX NAME)



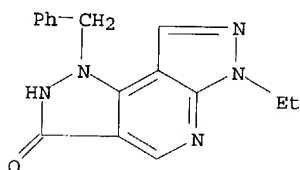
10629227



RN 51700-88-0 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-(3-methylbutyl)- (9CI) (CA INDEX NAME)



RN 51700-90-4 CAPLUS  
 CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-(phenylmethyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1972:514401 CAPLUS  
 DN 77:114401  
 TI 1,6-Dihydrodipyrzolo[3,4-b:3',4'-d]pyridine-3(2H)-ones  
 IN Hoehn, Hans; Schulze, Ernst  
 PA Chemische Fabrik von Heyden G.m.b.H.  
 SO Ger. Offen., 21 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2159600	A	19720608	DE 1971-2159600	19711201
	US 3669950	A	19720613	US 1970-94179	19701201
PRAI	US 1970-94179		19701201		

GI For diagram(s), see printed CA Issue.

AB Seven title compds. (I, R = H, Me, CH<sub>2</sub>CH<sub>2</sub>OH, R<sub>1</sub> = H, Ph, R<sub>2</sub> = Et, CH<sub>2</sub>Ph) and their HCl salts, sedatives, tranquilizers, anxiolytics, and agents for increasing the cellular concentration of adenosine cyclic 3'5'-phosphate, were prepared. Reaction of the 5-aminopyrazoles (II) with EtOCH:C(CO<sub>2</sub>Et)<sub>2</sub> gave the di-Et [(5-pyrazolyl)-aminomethylene]malonates (III), which were cyclized in Ph<sub>2</sub>O at ≤250° to give the Et 4-hydroxy-1H-pyrazolo[3,4-b]pyridine-5-carboxylates (IV). These reacted either with EtI-K<sub>2</sub>CO<sub>3</sub> to give IV 4-ethoxy analogs or with POCl<sub>3</sub> to give IV 4-chloro analogs, either of which reacted with RNHNH<sub>2</sub> or H<sub>2</sub>NNHR<sub>1</sub> in EtOH in the presence of ZnCl<sub>2</sub> to give the 4-hydrazino analogs, which were cyclized with Na in EtOH at reflux to give I. I (R = R<sub>1</sub> = H) were methylated to give I (R = Me, R<sub>1</sub> = H).

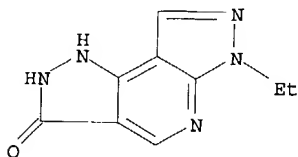
IT 37649-55-1P 37649-58-4P 37649-61-9P  
 37649-62-0P 37649-63-1P 37649-64-2P  
 39022-83-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

10629227

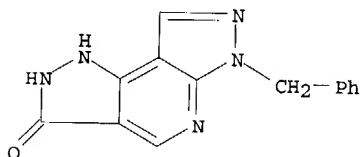
RN 37649-55-1 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro- (9CI)  
(CA INDEX NAME)



RN 37649-58-4 CAPLUS

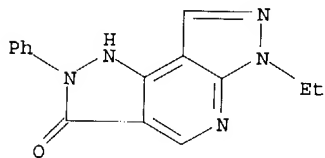
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-(phenylmethyl)-,  
hydrochloride (9CI) (CA INDEX NAME)



•x HCl

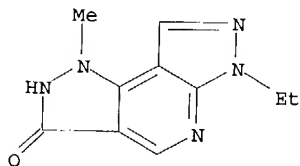
RN 37649-61-9 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-2-phenyl-  
(9CI) (CA INDEX NAME)



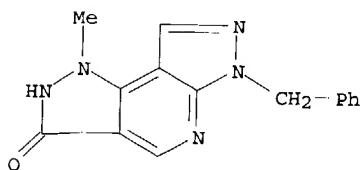
RN 37649-62-0 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-methyl-  
(9CI) (CA INDEX NAME)



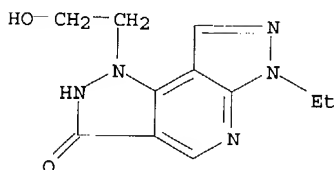
RN 37649-63-1 CAPLUS

CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1-methyl-6-  
(phenylmethyl)- (9CI) (CA INDEX NAME)

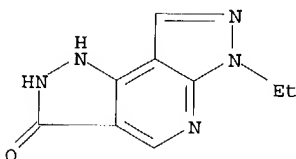


10629227

RN 37649-64-2 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 39022-83-8 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1972:488501 CAPLUS  
DN 77:88501  
TI Dipyrzolo[3,4-B:3',4'-D]-pyridin-3-ones  
IN Hoehn, Hans; Schulze, Ernest  
PA E. R. Squibb and Sons, Inc.  
SO U.S., 5 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3669950	A	19720613	US 1970-94179	19701201
	CA 947766	A1	19740521	CA 1971-128355	19711123
	GB 1374310	A	19741120	GB 1971-55068	19711126
	HU 164974	P	19740528	HU 1971-SU693	19711130
	DE 2159600	A	19720608	DE 1971-2159600	19711201
	FR 2116469	A5	19720713	FR 1971-43127	19711201
	FR 2116469	B1	19750418		
	CH 540274	A	19730928	CH 1971-17467	19711201
	PRAI US 1970-94179		19701201		

GI For diagram(s), see printed CA Issue.

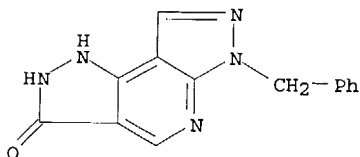
AB Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)  
useful as tranquilizers and for increasing intracellular concentration of cyclic AMP were prepared by cyclizing hydrazinopyrazolopyridinecarboxylates (II, R3 = NHNH2, NHNHPh, NMeNH2, N(CH2CH2OH)NH2). Thus, 1-ethyl-5-aminopyrazole was condensed with EtOCH:C(CO2Et)2 to 84% Et 1-ethyl-5-pyrazolylaminomethylenemalonate which was cyclized to 92% II (R = Et, R3 = OH). O-Ethylation of II (R = Et, R3 = OH) and treatment with NH2NH2.H2O gave II (R = Et, R3 = NHNH2), which (10 g) was cyclized to I (R = Et, R1 = R2 = H); yield 8.5 g dihydrochloride.

IT 37649-55-1P 37649-58-4P 37649-61-9P  
37649-62-0P 37649-63-1P 37649-64-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

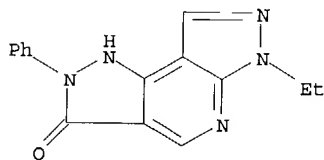
RN 37649-55-1 CAPLUS  
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro- (9CI) (CA INDEX NAME)

CC1=NN=C2C(=C1)C(=O)NC(=O)N2

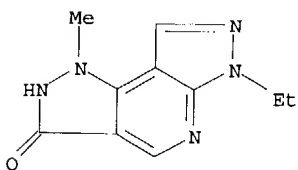
CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-6-(phenylmethyl)-,  
hydrochloride (9CI) (CA INDEX NAME)



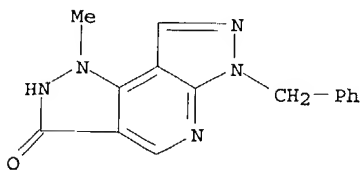
CN Dipyrazolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-2-phenyl-  
(9CI) (CA INDEX NAME)



CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-methyl-  
(9CI) (CA INDEX NAME)



CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 1,6-dihydro-1-methyl-6-(phenylmethyl)- (9CI) (CA INDEX NAME)



CN Dipyrzolo[3,4-b:3',4'-d]pyridin-3(2H)-one, 6-ethyl-1,6-dihydro-1-(2-

10629227

hydroxyethyl)- (9CI) (CA INDEX NAME)

